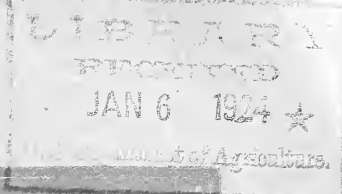


## **Historic, Archive Document**


Do not assume content reflects current scientific knowledge, policies, or practices.



02.57



**MUZZY BROTHERS**  
**SEEDS and IMPLEMENTS**  
**POULTRY SUPPLIES**  
**ESTABLISHED 1835**



**1922**

D. N. Shoemaker.

APR 6 1922

**PATERSON, N. J.**

---

---

# SPECIAL NOTICE



WE make a specialty of supplying the best strains of seeds that can be produced. We are always on the alert for a better strain, and if we find it we spare no expense in securing seed stock of it.

**TERMS OF GUARANTEE** The seeds offered in this catalogue have been carefully grown, selected, cleaned and tested for germination, and we believe them to be first class in every respect, but we cannot guarantee the crop as too many conditions enter into it, therefore we give no warranty, expressed or implied, as to description, purity, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned at once, and if the money has been paid for them it will be refunded.

**MUZZY BROS.**



# Muzzy Brothers

Established 1835

1835

Farm, Garden and Flower  
**S E E D S**

1922

**GARDEN TOOLS**

**FERTILIZERS  
SPRAYING MATERIALS**

**PUMPS**

**T**HE 1922 edition of our annual Catalogue of Seeds, Agricultural Implements and Poultry Supplies affords us an opportunity to thank our many friends for the confidence and patronage, covering a period of 87 years. Such loyalty is truly an inspiration to set a high mark for our standard and continue the work to make our best better. It is our purpose to add to the wealth of the community—not to detract. Seeds are cheap or expensive, as measured by their ability to produce profitable crops, and not per cost of pound or bushel. Our efficient laboratory service enables us to determine their viability; and field inspection of the growing crops minimizes the possibility for error or disappointment.

We Make a Specialty of **GRASS SEED MIXTURES**, Including  
**Central Park Lawn; Extra Mixture Lawn; Shady Lawn**  
**ALSO FOR HAY AND PASTURE**

## **OUR POULTRY SUPPLIES**

*We are printing the annual list in conjunction with the Seed Catalogue, and offer a comprehensive introductory to this special feature.*

*The name "MUZZY" applied to our special formulas represents the superlative. In feed it signifies purity, sound, clean, sweet grain. We do not employ adulterants or by-products, screenings, salvaged stock, or musty and damaged matter. **QUALITY** and the **BEST** spells it another way.*

---

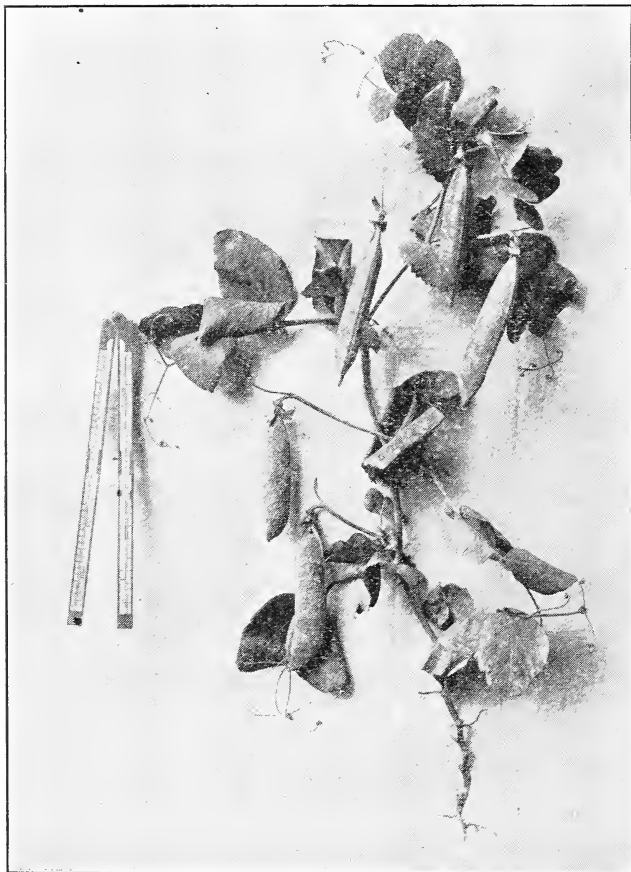
## **SPECIAL NOTICE TO MARKET GARDENERS**

We sell to Market Gardeners, Truckers and Farmers' Clubs at special wholesale rates, and solicit your inquiries for close prices on round lots.

# ***Novelties***

## ***PEAS***

**HEIGHT 15 INCHES**



### **CARTER'S EARLY EIGHT WEEKS PEAS**

The variety is undoubtedly the earliest Dwarf, large podded pea on the market. It is earlier than the Alaska and the First & Best, produces a vine from 11 to 14 inches in height, is a vigorous grower and a splendid cropper and more nearly fills the demand for a large podded First Early than any other variety yet offered to the trade. The peas when picked in the young stage are tender and of excellent table quality. The variety should be very popular with the private gardener, who wants an early pea of good quality,

As you will notice, we stress the point that it is early, of good quality, dwarf and just the sort for the private gardener who wants a very early variety.

1-lb. .... 50 cents

½-lb. .... 30 cents

# *Novelties*

---



Our Potato Stock is the best and largest producing of anything offered. Varieties all grown in Maine:

**GREEN MOUNTAIN, IRISH COBBLERS,  
QUEENS, ROSE, HEBRONS**

Price on application.

# Collection of Vegetable Seeds

Only the choicest sorts are put into the assortments, and they are picked out so as to give a continuous supply of vegetables from your garden all season.

The amount charged for these collections is considerably less than you would pay for the individual seeds, on account of the fact that we are able to put them up during the slack winter months.

## COLLECTION for small Gardens \$1.00 (Including Postage in the U. S.)

1 Pa. Green Beans .....	10	1 Pa. Melon .....	05
" " Wax Beans .....	10	" " Pepper .....	10
" " Lima Beans .....	10	" " Parsley .....	05
" " Beets .....	05	" " Peas .....	10
" " Cabbage .....	10	" " Radish .....	05
" " Celery .....	10	" " Spinach .....	05
" " Carrot .....	05	" " Turnip .....	05
" " Golden Bantam Corn .....	19	" " Tomato .....	10
" " Lettuce .....	05	" " Swiss Chard .....	05
" " Onion .....	10		

## COLLECTION NO. 1, All the popular varieties \$1.50 (Including free delivery.)

1 pa. Beans, Refugee Green-Pod.	1 oz. Lettuce, Big Boston.
½ lb. Beans, Golden Wax.	1 Pa. Onion, White Globe.
1 oz. Beet, Egyptian.	1 " Parsley, Extra Curled.
½ " Cabbage, Early Wakefield.	½ lb. Peas, Gradus Early.
1 " Carrot, Half-Long.	1 oz. Radish, Scarlet Turnip.
½ lb. Corn, Early Bantam.	1 oz. Spinach, Viroflay.
1 pa. Cucumber, Imp. White Spine.	1 oz. Turnip, Red Top.
1 " Leek, Best Flag.	

## COLLECTION NO. 2, Fairly Complete, \$3.50 (Including free delivery.)

½ lb. Beans, Reugee Green-Pod.	1 pa. Leek, Best Flag.
½ lb. Beans, Golden Wax.	1 oz. Lettuce, Big Boston.
1 oz. Beet, Egyptian.	1 Pa. Lettuce, Cos. or Romaine.
1 " Beet, Globe.	1 " Melon, Long Island Beauty.
½ " Cabbage, Early Wakefield.	1 " Melon, Water, Black Spanish.
½ " Cabbage, Red, for pickling.	1 " Onion, White Globe.
1 " Carrot, Half-Long.	1 " Onion, Large Red Globe.
1 Pa. Cauliflower, Snowball.	1 oz. Parsley, Extra Curled.
1 " Celery, White Plume.	1 lb. Peas, Extra-Early M'T.
½ lb. Corn, Early Bantam.	1 " Peas, Wrinkled, Our Selec.
½ lb. Corn, Stowell's Evergreen.	1 oz. Radish, Scarlet Turnip.
1 oz. Cucumber, Imp. White Spine.	1 pa. Spinach, Viroflay.
1 Pa. Eggplant, Imp. N. Y. Purple.	1 " Tomato, Stone.
1 " Kohlrabi, Early White.	1 oz. Turnip, Red Top.

# MUZZY BROTHERS'

## ANNUAL

# Seed Catalogue

### FOR 1922

**Prices Subject to Change.**

It is our endeavor to maintain the prices quoted in this Catalogue throughout the season, but owing to the present very unsettled conditions they are subject to change without notice.

Muzzy Brothers give no warranty, expressed or implied, as to the description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

### ARTICHOKE

German, Artichocke; French, Artichaut; Spanish, Albachofa.

	Pkt.	Oz.
French Globe .....	\$0.10	\$1.25

The Seeds should be sown early in the spring, in drills an inch and a half deep, and one foot apart. The next spring transplant to permanent beds, in rows or hills three feet apart and two feet between the plants. Plant in a deep rich, moist loam, and the plants should be protected in winter by a covering of leaves or coarse manure. A bed will continue bearing for several years.

Jerusalem Artichoke, Tubers .....	25 cents each
-----------------------------------	---------------

### ASPARAGUS

German, Spargel; French, Asperge; Spanish, Esparrago.

Pkt. 5 cents

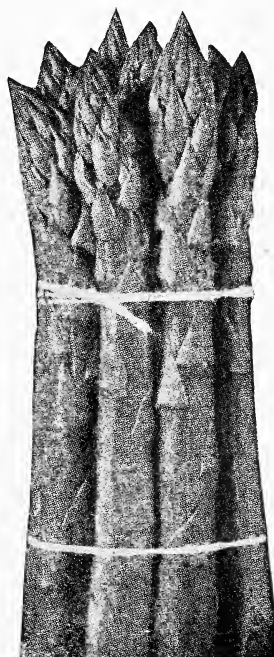
	Per oz.	¼ lb.	Per lb.
Columbia, producing pure white shoots	.15	.35	1.00
Conover's Colossal .....	.10	.25	.75
Palmetto, a light green variety.....	.10	.25	.75
Giant Argenteuil, large stalks.....	.15	.35	1.00

ROOTS	Per	Per	Per
	50	100	1000
Roots Colossal, 2 years.....	1.00	1.75	15.00
“ Palmetto, 2 years .....	1.00	1.75	15.00
“ Columbia, 2 years.....	1.00	1.75	15.00
“ Argenteuil, 2 years .....	1.00	1.75	15.00

Sow the seeds early in spring, in drills 15 inches apart, and about a dozen to the foot in the drill; keep the soil mellow and free from weeds during the summer, and in the succeeding spring transplant to permanent beds which should be done in the following manner as described by a cultivator of Oyster Bay Asparagus.

Plant on sandy soil. To grow Asparagus in perfection, the soil need not necessarily be richer than it must be to produce a good crop of corn. Some experiments have shown that by heavily manuring the crop cannot be made permanently greater than by moderate dressings. It is not desirable to plant them out very early; more plants will fail to grow than when the planting is deferred until the soil is dry and warm.

In planting for private use; set out in rows two feet apart, and allow twelve inches in the row. Set the plants at least six inches below the surface. For market on a large scale set four feet apart one way and two the other, which will allow the use of a horse and cultivator to keep the weeds under.



## BEANS

10 cents Pkt.

German, Gartenbohne; French, Fève de Marais; Spanish, Hava.  
English or Broad.

	1 lb.	2 lb.
Broad Windsor .....	\$0.40	\$0.75
Sword Lond Pod.....	.60	1.10

This class is very hardy and should be planted as soon as the soil is in good state in the spring. Plant four inches apart, and two inches deep in drills four feet apart. To insure well filled pods, pinch off the tops as the lower pods begin to set.

**Bountiful, Extra Early.** Very prolific and long bearing. Flat green pods, tender and stringless, 1 lb., 30c; 2 lb., 55c; 10 lb. \$2.25.

**Valentine Black,** long round, green, solid pod, very early. 1 lb., 35c; 2 lb., 65c; 10 lb. \$2.65.

**Valentine, Giant Stringless,** about seven days later than extra Early Valentine. Slightly curved pod, brittle and stringless; a strong grower and good yielder. 1 lb. 30c; 2 lb. 60; 10 lb. \$2.25.

**Valentine, Early.** Productive, tender and of excellent flavor. 1 lb. 25c; 2 lb. 50c; 10 lb. \$2.00.

**Horticultural Dwarf, Late.** Productive, broad, flat stringless pods. 1 lb. 35c; 2 lb. 65c; 10 lb. \$2.50.

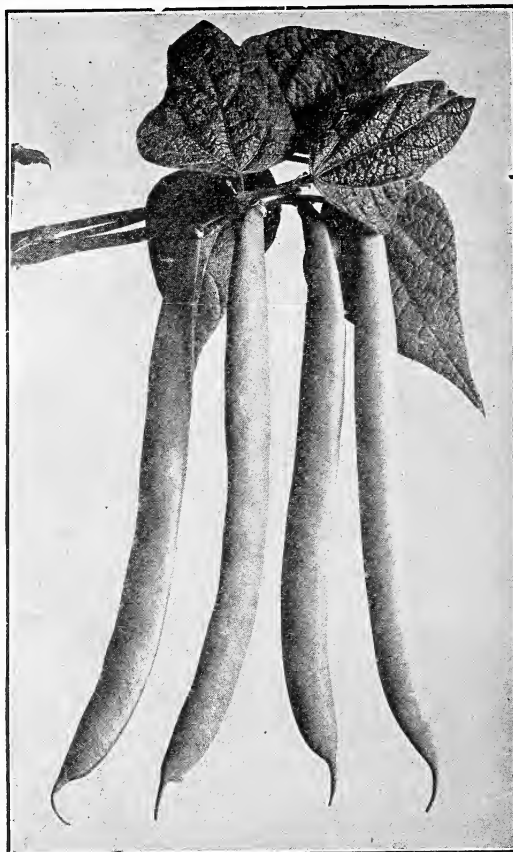
**Muzzy's Stringless Green Pod,** the best stringless bean grown. Ten days to two weeks earlier than the valentine; pods full and fleshy, extremely crisp and absolutely stringless. Very productive. 1 lb. 30c; 2 lb. 60c; 10 lb. \$2.25.

**Early Mohawk.** Very productive and of good quality, 1 lb. 25c; 2 lb. 50c; 10 lb. \$2.00.

**Long Yellow Six-Weeks,** early, excellent variety for general crop. 1 lb. 30c; 2 lb. 60c; 10 lb. \$2.25.

**Extra Early Refugee**—Small to date. Refugee Pods 2 weeks earlier. 1 lb. 25c; 2 lb. 50c; 10 lb. \$2.00.

**Refugee or Thousand to One.** (Late variety.) The pods are round and full, stringless and of fine quality. 1 lb. 25c; 2 lb. 50c; 10 lb. \$2.00.



## DWARF LIMA AND DWARF WHITE BEANS

**Burpee's Improved Bush Lima.** Beans are large as Large Lima, stout growth, branches vigorously, bearing 50 to 200 large pods well filled with very large beans. 1 lb. 40c; 2 lb. 80c; 10 lb. 3.25.

**Fordhook Bush Lima.** 1 lb. 40c; 2 lb. 80c; 10 lb. \$3.25.

**White Marrowfat,** grown for sale in the dry state. 1 lb. 25c; 2 lb. 50c; 10 lb. \$2.00.

**Long White Kidney,** excellent as a shell bean, green or ripe. 1 lb. 25c; 2 lb. 50c; 10 lb. \$2.00.

## DWARF WAX VARIETIES

**Sure Crop Stringless Wax**—See Novelties—1 lb. 35c; 2 lb. 65c; 10 lb. \$2.50.

**Refugee Wax, Stringless,** good for early or late. Immense yielder. 1 lb. 30c; 2 lb. 60c; 5 lb. \$1.75.

**Golden Eyed Wax,** very early, prolific, free from rust. 1 lb. 30c; 2 lb. 60c; 10 lb. \$2.25.

**Round Pod Kidney Wax,** same as Wardell's, only round pods. 1 lb. 30c; 2 lb. 60c; 10 lb. 2.25.

**Wardell's Kidney Wax,** extra early, long flat pods, very productive. 1 lb. 35c; 2 lb. 65c; 10 lb. \$2.50.

**BEANS—Dwarf Wax Varieties, Continued**

	1 lb.	2 lb.	10 lb.
<b>Curries Rust Proof</b> , very early and prolific. The pods are long, full, stringless; of very fine quality .....	.25	.50	\$2.00
<b>Davis' White Wax</b> , beans pure white; pods yellow, flat, tender, rich .....	.30	.60	\$2.25
<b>Golden Wax</b> . This valuable variety is about ten days earlier than the black wax pods, large, long semi-round, brittle, stringless .....	.30	.60	\$2.25
Blossoming time sends up a tendril a foot longer than vein which drops off.			
<b>Hodson Wax</b> , very large, tender, pods stringless, very productive ...	.30	.60	\$2.25

**BEANS, Pole or Running Varieties**

<b>Challenger Lima</b> . Potato variety, five and six in a pod .....	.30	.60	\$2.50
<b>King of Garden Lima</b> . Vigorous in growth and immensely productive, pods large, numerous and well filled and beans of an enormous size. Generally grown for main crop .....	.30	.60	\$2.50
<b>New Early Jersey</b> . Very early .....	.30	.60	\$2.50
<b>Large White Lima</b> . A greatly esteemed variety .....	.30	.60	\$2.50
<b>Kentucky Wonder, or Homestead Extra Early</b> . Pods long, tender and good flavor, very productive .....	.30	.60	\$2.50
<b>Dutch Case Knife</b> . A very productive variety, one of the earliest ...	.30	.60	\$2.50
<b>Horticultural or Speckled Cranberry</b> . A popular variety for private use, equally serviceable in the green state or when shelled .....	.35	.65	\$2.75
<b>Scarlet Runner</b> . Beautiful scarlet flowers; for ornamental and table use .....	.40	.80	\$3.50
<b>Early Golden Cluster</b> . Bright yellow pods, stringless, in clusters..	.40	.80	\$3.25
<b>Yard Long, French</b> . Pods sometimes grow from 2 to 3 ft. long, are very slender like a pipe stem; should be grown on pea bush			
Crop short, cannot offer this season .....	.85		

Sow Bush sorts in drills about two feet apart, and drop the beans about three inches apart in the drill, cover two inches or less for a succession, sow at intervals of two weeks. Lima beans should not be planted until settled weather; make rich hills, four feet apart each way set a pole eight or ten feet high in each; press the beans into the soil eye down, six or eight to each pole, and when they are well up, thin out to four.

A quart of Limas is sufficient for 75 to 80 hills, and a quart of Bush Beans will sow a row 100 feet long.

**BEETS**

Pkt. 5 cents

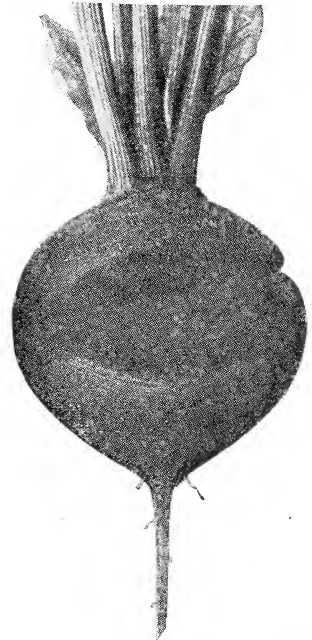
German, Runkelrub; French, Bourrache;  
Spanish, Remolacha.

**Detroit Dark Red**. A splendid beet for market or home use, of a deep color, tender and of delicate flavor.

Oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00

**Dark Red Egyptian Crosby's**. The earliest beet in cultivation, color deep crimson; of excellent quality.

Oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00.



DETROIT DARK RED BEET

BEETS—Continued

	Per oz.	$\frac{1}{4}$ lb.	Per lb.
Extra Early Eclipse. Very early, good size.....	.15	.30	\$1.00
Early Flat Bassano. Chiefly valuable for its earliness .....			
Early Blood Turnip. Standard early sort, an excellent .....			
Edmands. Market garden variety, uniform shape, dark .....			
Dewing's Blood Turnip. Of fine form and flavor .....			
Long Smooth Blood Red. An excellent late variety .....	.15	.35	\$1.25
Swiss Chard. Used for its leaves, which are cooked as Spinach ....			
Swiss Chard Lucullus .....			

MANGEL-WURZEL AND SUGAR

Varieties used for feeding stock. Sow 6 lbs. per acre.

	1 oz.	$\frac{1}{4}$ lb.	1 lb.
Mammoth Red Mangel-Wurzel. Producing roots of mammoth size, very regular, and with a small top.....	.10	.20	.55
Yellow Ovid Mangel-Wurzel. Very productive.....	.10	.20	.70
Long Yellow Mangel-Wurzel. Good for general crop .....	.10	.20	.55
Golden Tankard Mangel-Wurzel. A new and very valuable variety of fine form and sweet flavor, bright yellow in color, when cut it shows interior ring, similar to most varieties of garden beet....	.10	.20	.70
White Silesian Sugar Beet. Extensively grown for feeding stock and manufacture of sugar .....	.10	.20	.70
Wilmorin's Improved Sugar Beet. An improved variety .....	.10	.20	.70
Lane's Improved Sugar Beet. Improved variety of the French Sugar Beet, obtained by careful selection in this country .....	.10	.20	.70

A rich, deep open soil is the best suited to the culture of Beets. Fresh manure is undesirable, but land that has been well manured the previous year is highly suitable. For an early supply sow in the spring as soon as the ground becomes fit to work, in drills about one foot apart and two inches deep. For main crop sow the first week in May, and for winter use sow in June. When the plants have obtained three or four leaves, thin out, so that they may stand eight or nine inches apart. Keep free from weeds by hand weeding and hoeing. Those intended for winter use may be taken up in October, and stored in dry sand in the cellar or outhouse. Before storing, leaves and fibers must be cut off, but care must be taken not to bruise the main root.

BORAGE

10 cents Pkt.

German, Borritsch; French, Bourrache; Spanish, Berraja.

	Per oz.	$\frac{1}{4}$ lb.	lb.
Borage, used as a pot herb; also as a salad, or can be boiled, and also for garnishing, but chiefly required for claret cups and other cooling drinks. Bees are very partial to the flower .....	.20	.80	\$3.00

BROCCOLI

10 cents. Pkt.

German, Spragel Kohl; French, Chou Brocoli; Spanish, Broculi.

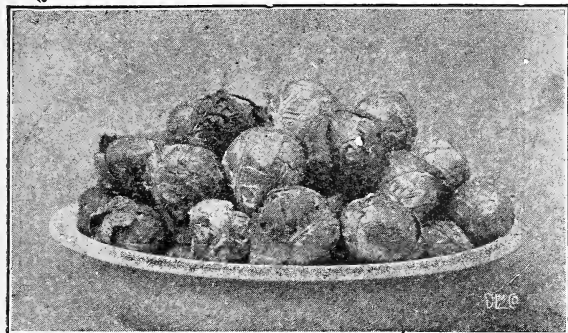
	Per oz.	$\frac{1}{4}$ lb.
Early White, heads medium size, compact, creamy white color, most certain to head .....	\$0.50	\$1.50
Purple Cape, differing from the preceding color, greenish purple .....	\$0.30	\$1.00
White Cape .....	\$0.50	\$1.50
Mammoth White .....	\$0.50	\$1.50

A favorite European vegetable, nearly allied to the Cauliflower, but more hardy and surer to head; the seeds should be sown in this district in the early part of May and transplanted in June; farther south the sowing should be delayed until June or July; and the transplanting accordingly from August to October. In parts of the country where the thermometer does not fall below 20 or 30 degrees, Broccoli may be had in perfection from November until March. It succeeds best in a moist and rather cool atmosphere.



**BRUSSELS SPROUTS**

10 cents Pkt.



German, Sprossen-Kohl; French, Chou de Bruxelles; Spanish, Breza de Brussels.

Dalkeith Dwarf Improved, a variety producing compact sprouts of excellent quality. Pkt. 10c; Oz. 25c; ¼ lb. .85c.

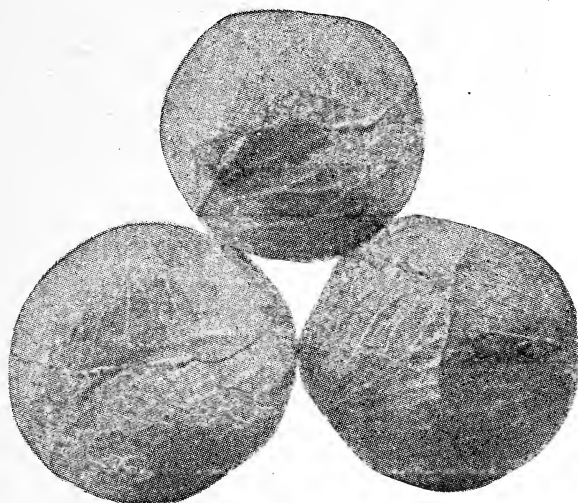
A tender, delicious vegetable. The plant grows two or three feet high, and produces from the sides of the stalks numerous little sprouts, one or two inches in diameter, resembling cabbage. The leaves which look like a Savoy should be broken down in the fall, to give the little cabbages room to grow. They are very tender and sweet after early frosts. Sow early in hot-beds, or in seed-beds in May transplant and cultivate the cabbage.

**CABBAGE**

10 cents Package, except quoted otherwise.

German, Kopfkohl; French, Chou; Spanish, Berza de Pepollo.

1 oz. ¼ lb. 1 lb.



COPENHAGEN MARKET

**Copenhagen Market.**

The finest, large, round-headed, early Cabbage; very solid and of fine quality; short-stemmed. .35 1.15 4.00

**Enkhuizen Glory.**

Large, early, white, solid, ball shaped heads ..... .25 .85 3.00

All Seasons, fine variety, for second early or late growing, good size .... .25 .85 3.00

**Early Jersey Wakefield.**

The leading variety for market, very early, of medium size, good quality, sure to head .. .25 .85 3.00

**Charleston Wakefield.**

Large strain of the above ..... .25 .85 3.00

**Autumn King.**

We believe this to be

one of the finest strains of Cabbage ever offered. It produces regular, even heads of enormous size .....	.25	.75	2.25
Early Flat Dutch. This is one of the best early cabbages in cultivation .....	.25	.75	2.50
Early Summer. A valuable early sort resembling the Early Flat Dutch .....	.25	.75	2.50
Early Winnigstadt. Heads large, one of the best for general use .....	.25	.75	2.50
Henderson's Succession. A second early or late variety, a sure header; seeds sown in March produce large heads in June.....	.25	.75	2.50
Muzzy Extra Amagar Danish Ball-Head. Large, round, solid, sweet and crisp, sure header .....	.25	.85	3.00
Large Late Drumhead. An excellent fall and winter variety, grows to a large size .....	.25	.75	2.50
Larfie Late Flat Dutch. The most popular variety for late cultivation .....	.25	.75	2.50
Red Stone Head. Used almost exclusively for pickling .....	.40	1.40	4.50
Drumhead Savoy (American). The largest heading sort, of excellent flavor ...	.30	1.00	3.50
Drumhead Savoy (Ulm). Very early, popular sort .....	.25	.80	2.75
Chinese (Pe Tsai) .....	.50	1.65	5.50

For very early use plant in the autumn from 10th to 25th September, in a seed bed, and protect in cold frames during the winter, being careful to set them down to the first leaf. Transplant in the following spring, as the soil will admit. For autumn and winter use, plant in seed-bed in May and early part of June, and when six inches high transplant into rich soil, two feet apart each way for the early varieties, and three by two and a half feet for the large winter varieties. To secure the best results, the soil should not be too dry, but should be thoroughly enriched, and the crop should be hoed at least once in ten days. Sow in hot bed early in spring, seed of the early kind for a second crop; also the late varieties for winter use.

## CARROT

All 5 cents Package

Except Quoted Otherwise.

German, Mochern; French, Carotte.

The Carrot, like other root crops, delights in a sandy loam, deeply tilled. It should never be sown on newly manured ground as forked roots are sure to be the result. It is best to sow on ground that has been well manured the previous year for some other crop, such as Celery, Potatoes, Onions or Peas, but avoid such crop as Cabbage and Turnips, or any of the tap rooted sections. For early or main crops sow the latter part of April; for later crops, they may be sown any time until the beginning of June. Sow in rows about 15 inches apart and half an inch deep, thinning out to three or four inches between the plants.

**Early French Forcing.** The earliest variety, valuable for forcing; root small and of fine flavor. oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.25.

**Early Scarlet Horn.** Old and favorite sort, much esteemed for early summer, oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.10.

**Half Long Danvers.** A variety intermediate in size and period of maturity between the preceding and the Dond Orange, oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb. 90c.

**Half Long Stump Rooted Chantenay.** Like Nantes, broader shoulder, oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.10.

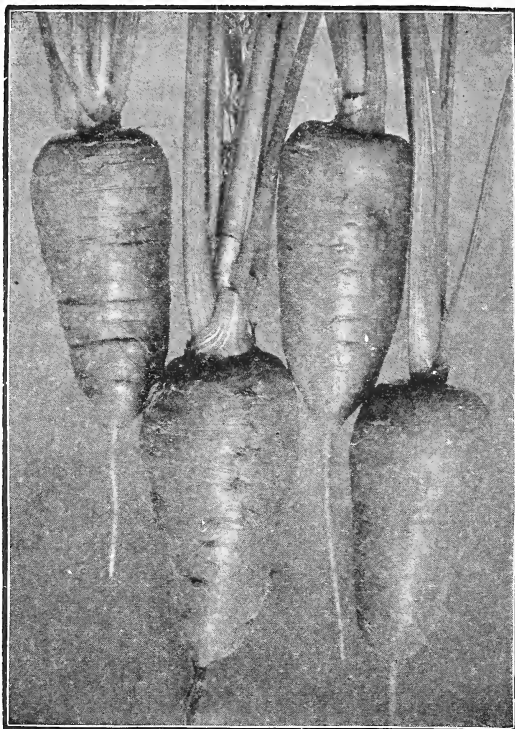
**Half Long Rubicon.** Finest Carrot in existence. Oz. 20c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.00.

**Half Long Stump Guarande or Oxheart.**.....

**Half Long Stump Nantes** .....

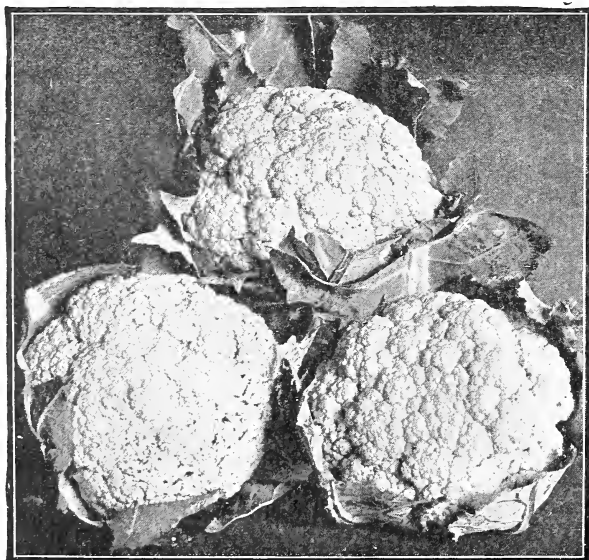
**Long Orange Improved.** Roots of large size, equally adapted for garden or farm culture .....

**Large White Belgian.** Grown almost exclusively for stock .....



DANVERS CARROT

	Per oz.	$\frac{1}{4}$ lb.	lb.
Half Long Stump Guarande or Oxheart.....	.10	.30	1.00
Half Long Stump Nantes .....	.15	.35	1.10
Long Orange Improved. Roots of large size, equally adapted for garden or farm culture .....	.10	.25	.90
Large White Belgian. Grown almost exclusively for stock .....	.10	.20	.70



EARLY SNOW BALL CAULIFLOWER

## CAULIFLOWER

German, Blumen-Kohl; French, Chou-fleur; Spanish, Coliflor.

**Extra Early Paris.** This is one of the earliest and best varieties, heads large, white and compact, of fine quality. Pkg. 10c; oz., 80c;  $\frac{1}{4}$ -lb., \$2.50.

**Large Early Snowball.** Best for forcing under glass or open ground. Pkg. 25c;  $\frac{1}{4}$ -oz., 75c;  $\frac{1}{2}$ -oz., \$1.35; 1-oz., \$2.50.

**Early Dwarf Erfurt.** Best for forcing. Pkt., 25c;  $\frac{1}{4}$ -oz., 70c;  $\frac{1}{2}$ -oz., \$1.25; 1 oz., \$2.25.

**Early London.** Pkt., 15c; 1-oz., \$1.00;  $\frac{1}{4}$  lb., \$3.00.

**Denmark, Special Large Late.** Very fine variety, large white, compact heads, the space necessary between plants is greater than other varieties. Pkt. 25c;  $\frac{1}{4}$  oz. 1.25;  $\frac{1}{2}$  oz. 2.00; 1 oz. 3.50.

**CAULIFLOWER—Continued**

Cauliflower delights in rich, moist soil and in dry seasons should be abundantly watered. The seeds may be sown in September and wintered over in the same manner as described for early cabbage. Where this is not practicable, it may be had nearly as well by sowing the seed in the hot-bed in January or February and transplanting the plants at two or three inches apart in boxes, or in the soil of another hot-bed, until such time as they are safe to be planted in the open ground, which in this latitude, is usually from the 15th of March to the 10th of April. It properly hardened off, they are seldom injured by being planted out too early.

**CELERY**

10 cents Package, except quoted otherwise.

German, Celeri; French, Celeri; Spanish, Apih.

	Oz.	¼ lb.	lb.
<b>Golden Self-Blanching.</b> American Strain. Very choice. Standard early variety ..... Pkt. 10 cents	.40	1.15	4.00
<b>Giant Pascal.</b> Stalks very large, thick and crisp. ....	.20	.80	3.00
<b>Golden Self-Blanching.</b> Paris Strain. Similar to White Plume; much larger in growth. Solid, best variety in market. Pkt. 15 cents ....	.55	1.75	6.50
<b>White Plume.</b> Requires very little banking. ....	.30	.80	3.00
<b>Dwarf White, Soup Celery.</b> An imported variety of fine flavor; soup greens ..... Pkt. 10 cents	.15	.40	1.50
<b>Boston Market.</b> An excellent dwarf, growing white variety ..... Pkt. 10 cents	.25	.65	2.25
<b>Covent Garden Red.</b> Splendid Dark Rose variety. Nutty flavor, 15c pkt	.90	3.00	10.00
<b>Celery Seed for Flavoring.</b> ..... Pkt. 10 cents	.10	.20	.65

**CELERIAC**

10 cents Pkt.

**TURNIP ROOTED CELERY**

German, Knob-Celeri;  
French, Celeri Rave.

**Giant Prague.** For soups, etc. When sliced and cooked makes good winter salad. Oz., 40c; ¼ lb., 1.25; lb., 4.00.

**Apple.** Small foliage. Oz. 60c; ¼ lb. 2.00; lb. 6.00.

The seeds may be sown in the open ground in April, as soon as the ground can be nicely worked. Sow about half an inch deep, and be careful to firmly press the soil over the seed; this should be done by treading over the rows with the feet after sowing; this prevents the air drying up the seed, which thereby loses its vitality and fails to germinate. Many valuable crops are annually lost by inattention to this important particular. After the seed is up, keep carefully clear of weeds until the time of planting June and July; the crops may be shorn off once or twice before planting; this makes them "stocky" and they suffer less in being transplanted. After the ground has been well prepared, plant in rows from three to four feet apart, according to the variety, setting the plants about six inches apart and pressing the soil firmly about the roots.

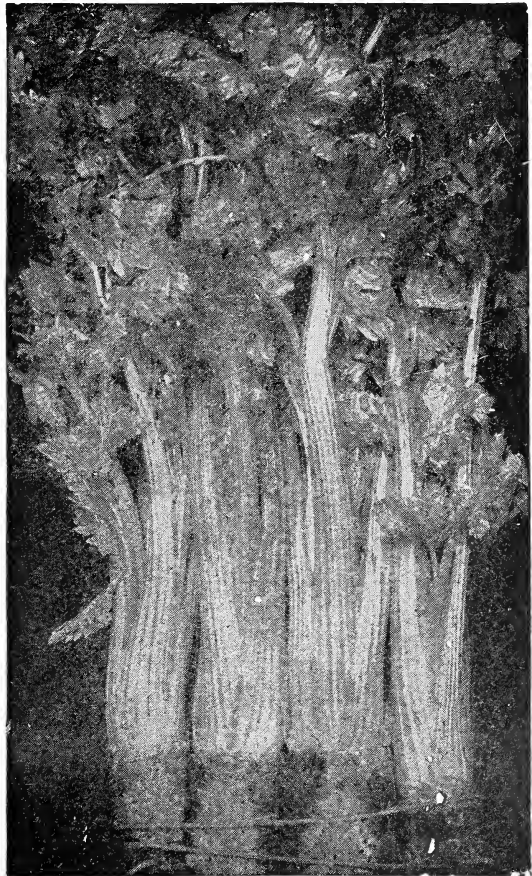
**CHERVIL**

Package 10 Cents

German, Bisen'lauch; French, Cerfeuil;  
Spanish, Cerafolio.

Curled ..... Per. oz., .25  
Plain, like above, but not curled.  
Per oz. .... .40

The young leaves are used in soups and salads. Sow thinly in May, in drills of an inch deep, one foot apart.



**CELERY**

**CHICORY**

Pkt. 10 Cents.

German, Chicorie; French, Chicoree Saur; Spanish, Escarola.

Per oz. ¼ lb.

<b>Common.</b> This variety produces the "Barbe de Capucin," a salad much used in France. Sown in June the roots are transplanted in autumn into sand in a cellar; the shoots of which will come up soon from the "Barbe de Capucin" .....	.35	1.25
<b>Large Rooted.</b> Used to mix with or a substitute for coffee. Cultivation same as the carrot.....	.20	.50
<b>Witloof or French Endive.</b> See endive.....	.25	.85

**CRESS**

Pkt. 5 Cents. Except Quoted Otherwise.

German, Kress; French, Cresson; Spanish, Masturoz.

<b>Curled Cress or Peppergrass</b> .....	.15	.25
<b>Water Cress</b> .....	Pkt. 10c .45	1.25

Are excellent for small salads; the leaves, while young have a warm, pungent taste. They can be used alone or mixed with Lettuce, Mustard, or other salad plants. Sow thickly at frequent intervals for succession, and treat in the same manner as mustard.

WHITLOOF  
CHICORY**CORN SALAD OR FETTICUS**

Pkt. 5 Cents.

German, Ackersalat; French, Mache; Spanish, Macha Valeneanilla.



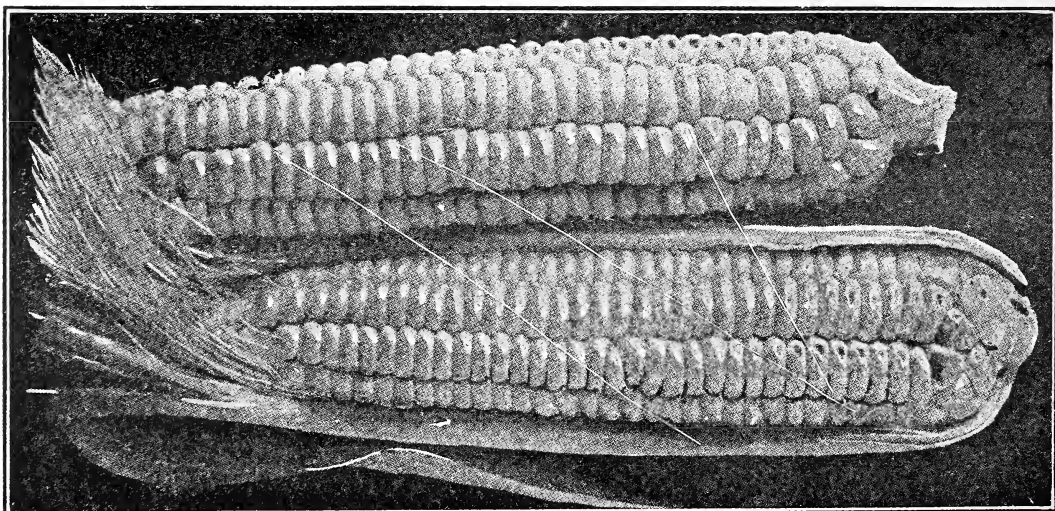
	Per oz. ¼-lb.	lb.
<b>Large Seeded</b> .....	.15 .40	1.40

Corn Salad, Fetticus or Lambs Lettuce is used to a considerable extent as a salad. It is sown on the first opening of spring in rows one foot apart and is fit for use in six to eight weeks from the time of sowing. If wanted to come out early in spring, it is sown in September, cover up with straw or hay as soon as Cold weather sets in and is wintered over the same way as Spinach.

**CORN---Sweet**

Pkt. 10 Cents.

German, Zuker, Welshkorn; French, Mais de sucre; Spanish, Maiz de Azucar.



## CORN—C ontinued

## EXTRA EARLY VARIETIES

	Ear	1-lb.	5-lb.	15-lb.
Early Dawn Extra Early. Earliest of all the Extra Early sweet corn .....	.10	.25	1.10	3.00
Golden Bantam Extra Early. Yellow, very sweet and tender .....	.10	.25	1.10	3.00
Early White Cory. Earliest grown, fit for use 60 days after planting. Very sweet, good size, white cobs. ....	.10	.25	1.10	3.00
Mammoth White Cory. Ears double size of the old Cory ..	.10	.25	1.10	3.00
Perry's Hybrid. Very early and of large size; extra early..	.10	.25	1.10	3.00
Early Minnesota. Very early; ears fairly sized and uniform; plants rather dwarf; one of the best early kinds; extra early .....	.10	.25	1.10	3.00

## SECOND EARLY OR INTERMEDIATE

Early Champion. Large ears, very sweet and productive. The earliest large sort grown and fine for either home or market use .....	.10	.25	1.10	3.00
Crosby's Early Sugar. Early sorts; ears short, from 12 to 15, 15 rows, second early .....	.10	.25	1.10	3.00
Long Island Beauty Early. Excellent, medium early, large size, sweet .....	.10	.25	1.10	3.00
Early Mammoth. Large second early.....	.10	.25	1.10	3.00

## GENERAL CROP AND LATE

Stowell's Evergreen. A late variety, of excellent quality, remaining longer in the green state than any other; general crop .....	.10	.25	1.10	3.00
Hickox Improved. A new variety of superior excellence is 12 rowed, straight and handsome; a superior market kind; general crop .....	.10	.25	1.10	3.00
Mammoth Sugar. A late variety of large size, very sweet and immensely productive. A leading variety.....	.10	.25	1.10	3.00
Country Gentleman. The sweetest and most tender of all sweet corn, late crop .....	.10	.25	1.10	3.00
Black Mexican. One of the sweetest varieties.....	.10	.25	1.10	3.00
Sweet Fodder. For ensilage .....	.10	.20	.85	2.25

## FIELD CORN

8 Cents Ear, 48 Pounds Bushel Ears

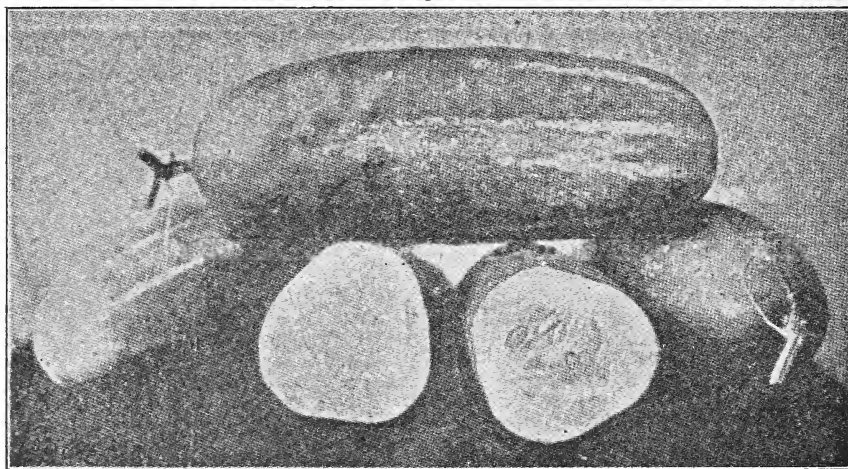
		1b.	14-lb.	56-lb.	
Chester County Mammoth. Large, late, yellow.	Dent Varieties	{	.10	.90	3.00
Mastodon Dent. Very early, strong growing...			.10	.90	3.00
Pride of the North. (Dent) very early.....			.10	.90	3.00
Leamings Yellow. (Dent) early .....			.10	.90	3.00
Champion White Pearl .....			.10	.90	3.00
Early Canada. Yellow kernels .....	Flint Varieties	{	.10	.90	3.00
Large Yellow Flint .....			.10	.90	3.00
Large White Flint .....			.10	.90	3.00
Southern Horse Tooth. For fodder.....	Fodder and Ensilage Varieties.	{	.10	.90	2.75
Eureka White Dent, for ensilage, 12 to 14 rows, one of the best ensilage varieties, the fodder growing up to 17 feet, in some places matures in 120 to 130 days. See Novelties.....			.15	1.00	3.50



## CUCUMBERS

Pkt. 5 Cents.

	Oz.	¼-lb.	1-lb.
<b>Cumberland.</b> The best picking sort yet introduced, very handsome and productive, flesh fine but very crisp and tender.....	.20	.60	1.75
<b>Forhook Pickling.</b> Prolific, medium size, skin thick .....	.20	.50	1.60
<b>Davis Perfect.</b> For forcing or outdoors, long and straight, valuable for slicing .....	.20	.60	1.75
<b>Cool and Crisp.</b> Very prolific; good for pickling and productive .....	.20	.50	1.50
<b>Thorburn's Everbearing.</b> Small size; very early. ....	.20	.60	1.75
<b>Japanese Climbing.</b> Can be trained on trellis, or grown on the ground. Skin smooth, dark green; flesh pure white, crisp and mild flavor .....	.20	.60	2.00
<b>Nichols Medium Green.</b> A valuable and handsome variety, in shape between White Spine and Long Green, an excellent sort for pickles and useful for forcing. Very prolific, fruit straight and smooth, color dark green; fresh, tender and crisp .....	.15	.45	1.40
<b>Improved Early White Spine.</b> The best table variety; grows uniformly straight and smooth; dark green; and tender and excellent flavor.....	.15	.45	1.40
<b>Peerless White Spine.</b> A new variety of the preceding; average length 10 inches; full at both ends; deep green, holding color until mature.....	.15	.45	1.40
<b>Arlington White Spine.</b> Fine either for forcing or for outdoors .....	.20	.50	1.50
<b>Early Green Cluster.</b> A short, prickly, slender variety, bearing in clusters near the root. It is a great bearer.....	.15	.45	1.40
<b>Early Short Green.</b> The standard for pickling, medium size, straight and handsome. It makes a beautiful pickle that keeps well .....	.15	.50	1.50
<b>Long Green.</b> A very excellent variety; a good bearer; about a foot in length, rather pointed at both ends; dark green, firm and crisp .....	.20	.60	1.75
<b>Green Prolific Pickling.</b> Very prolific; and said by those who have tested it equally desirable as a market Cucumber..	.15	.45	1.40
<b>West Indian Gherkin or Burr.</b> A very small oval shaped prickly variety. It is grown exclusively for pickling, and should always be picked when young and tender .....	.20	.60	2.00



Cucumbers succeed best in warm, moist, rich loamy ground. They should not be planted in the open air until there is a prospect of settled warm weather. Plant in hills about four feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil in each a shovelful of well rotted manure. When all danger from insects is past, thin out the plants, leaving three or four of the strongest to each hill. **English Frame Cucumber**—Per pkt., 25c. **Improved Sion** and **True, Swan Neck, Blue Gown.**

These varieties are for growing in hot-beds, or in hot-houses, particularly constructed for forcing, so that a supply can be furnished during the winter months, at which time the prices are very remunerative. Sow seeds in November, December and January, according to the time they are wanted for market.

**DANDELION**

15 Cents Pkt.

German, Pardelblume; French, Pissenlit; Spanish Armagon.

	Per oz.	¼ lb.	lb.
Best French .....	.75	\$2.50	\$9.00

The Dandelion is much used for spring salads and resembles Endive. Sow the seed in May or June in drills half an inch deep and 12 inches apart. The plants will be ready for use the following spring.



DANDELION.

**ENDIVE OR CHICKORY**

All 5 Cents Fkt.

	Per oz.	¼ lb.	lb.
German, Endvien; French, Chicoree; Spanish, Endivia.			
<b>Green Curled Winter.</b> Very hardy; leaves dark green, tender and crisp..	.15	.40	1.25
<b>Broad Leaved Batavia.</b> (Escarolle), chiefly used in soups and stews; requires to be tied up for blanching.....	.15	.40	1.25
<b>Early White Curled.</b> (Self-blanching), the best variety; grows to large size; very large and tender.....	.15	.40	1.25



ENDIVE.

**Moss Curled Early Summer.**

Used for salads as winter varieties .....

.15	.40	1.25
-----	-----	------

**Witloff or French**

**Endive.** New 1 oz., .25; ¼ lb. .85; 1 lb., 3.00.

Endive is one of the best salads for fall and winter use. Sow for an early supply about the middle of April. As it is used mostly in the fall months, the main sowings are made in June and July, from which plantations are formed at one foot apart each way in August and September. It requires no special soil or manure, and after planting, is kept clear of weeds until the plant has attained its full size, when the process of blanching begins. This is affected by covering up the plants as they grow, with slats or boards, which serves the purpose of excluding the air and light.

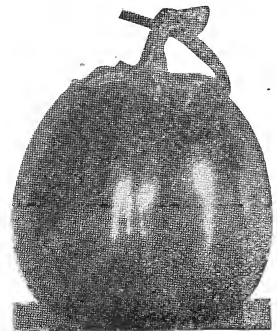
**EGG PLANT**

All 10 Cents Pkt.

German, Eier Pflanz; French, Aubergine; Spanish, Bereinfiena.

	1 oz.	¼ lb.
<b>Long Purple</b> —long and thin, fine quality. ....	.75	2.50
<b>New York Improved.</b> Superior market variety of large size and fine variety.....	.55	1.65
<b>Black Beauty Tendage.</b> Earlier than New York. Improved and as large; purplish black.....	.60	1.75
<b>Early Dwarf Purple.</b> Medium size.....	.45	1.25
<b>Black Pekin.</b> A fine variety, bearing large round, deep, purple fruits, fine, grand and of superior quality .....	.45	1.35

The Egg Plant is a tender vegetable, and must not be planted out until the weather is warm and settled. Sow early in spring in 'hot-beds, or if they are not convenient, sufficient plants may be raised for a small garden by sowing a few seeds in common flower pots or in boxes in the house. Plant out early in June from two to three feet apart.



NEW YORK EGG PLANT.

## KALE

Pkt. 5 Cents, except where noted.

German, Blatter-Kohl; French, Chou Vert; Spanish, Breton.

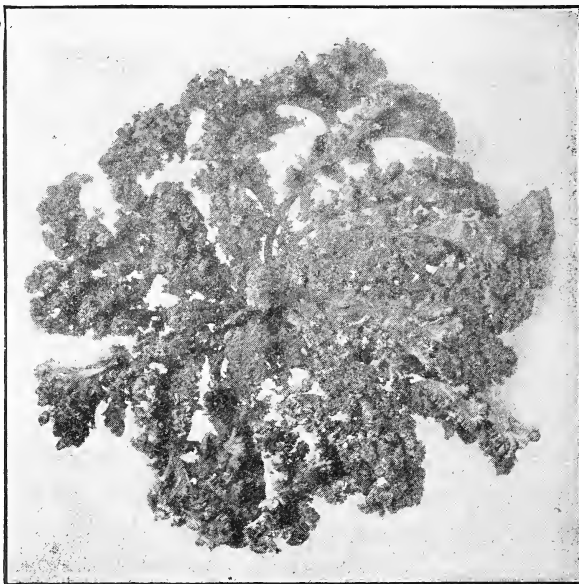
Everbearing—See Novelties—50c pkt.  
Oz.  $\frac{1}{4}$  lb. lb.

**Siberian German Green or "Sproute."** This variety is extensively used for early greens for which it is sown in the fall in rows one foot apart and treated in the same manner as Spinach; it is ready for use in early spring. Sowing can also be made in spring.....15 .35 1.10

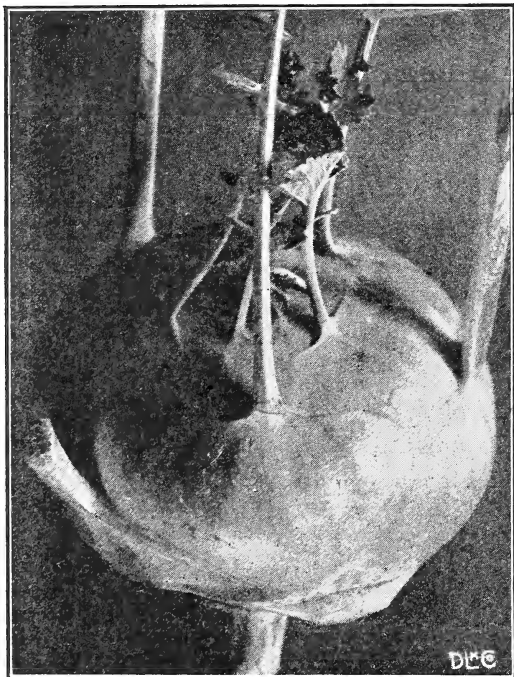
**Dwarf Green Curled Scotch.** Beautifully fringed dwarf growing kind, with bright green leaves, 10c pkt...15 .40 1.25

**Tall Green Curled Scotch.** Tall growing, very hardy variety, leaves a bright green, beautiful curled. 10c pkt. ....15 .40 1.25

Kale may be grown in almost any soil but the richer it is the more abundant the product. Sow early in the spring, in prepared beds, covering the seeds thinly and evenly; transplant in June and treat in the same manner as for cabbage. Of all the cabbage tribe this is the most tender and delicate and would be much more extensively grown than it is, if its excellent qualities were generally known. The varieties are all extremely hardy, and are best when touched by frost.



KALE



KOHL-RABI

## KOHL-RABI

Pkt. 10 Cents.

German, Kohl-Rabi; French, Chou Rave; Spanish, Colinabo.

Per oz.  $\frac{1}{4}$  lb. lb.

**Early White Vienna.** Flesh white and tender; best market sort; good for table use .....25 .80 3.00

**Early Purple Vienna.** Differing from the above in color, which is of a bluish purple .....25 .80 3.00

**Large White or Green.** Large ball, not so fine, but more productive...30 .90 3.25

Khl-Rabi or Turnip stemmed cabbage, is a vegetable that is not so much cultivated as it deserves to be. The stem above the ground swells into a bulb, somewhat resembling a turnip: this again is covered with leaves. The edible part is the bulb, which is dressed and served like turnip, is very delicate and tender when young. It is very hardy, withstands severe drought, and is a good keeper. Cultivate the same as cabbage, but in hoeing be careful not to throw dirt into the heart of the plant, or the bulb cannot form.



**LEEK**

Pkt. 5 Cents.

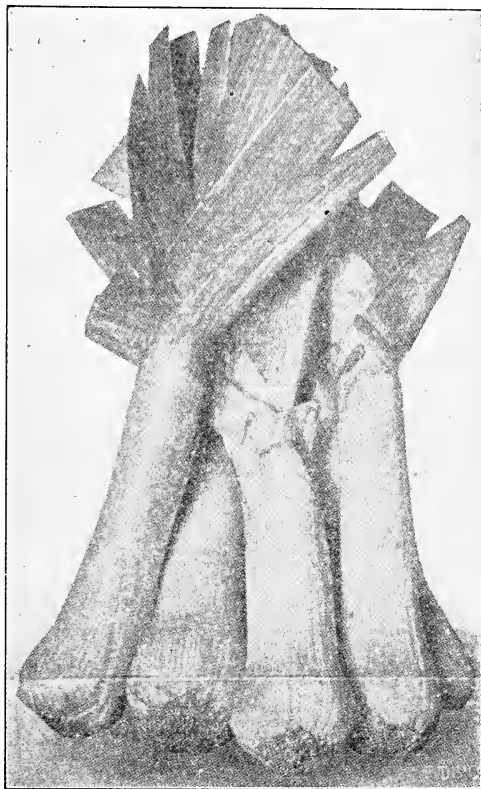
German, Lauch; French, Poireau;  
Spanish, Puerro.

<b>Large American Flag.</b>	oz.	¼ lb.	lb.
The kind mostly grown for market .....	.20	.60	2.00

<b>Large Careten.</b> A large growing French varie- ty of excellent quality..	.20	.60	2.00
---	-----	-----	------

<b>Large Rouen.</b> Very large and fine .....	.20	.60	2.00
--	-----	-----	------

The Leek is very hardy and easily cultivated; it succeeds best in a light, but well enriched soil. Sow as early in the spring as practical, in drills one inch deep and one foot apart. When six or eight inches high they may be transplanted in rows ten inches apart each way, as deep as possible; that the neck, being covered, may be blanched. If fine leeks are desired, the ground can hardly be made too rich.



LEEK.

**LETTUCE**

Pkt. 5 Cents.

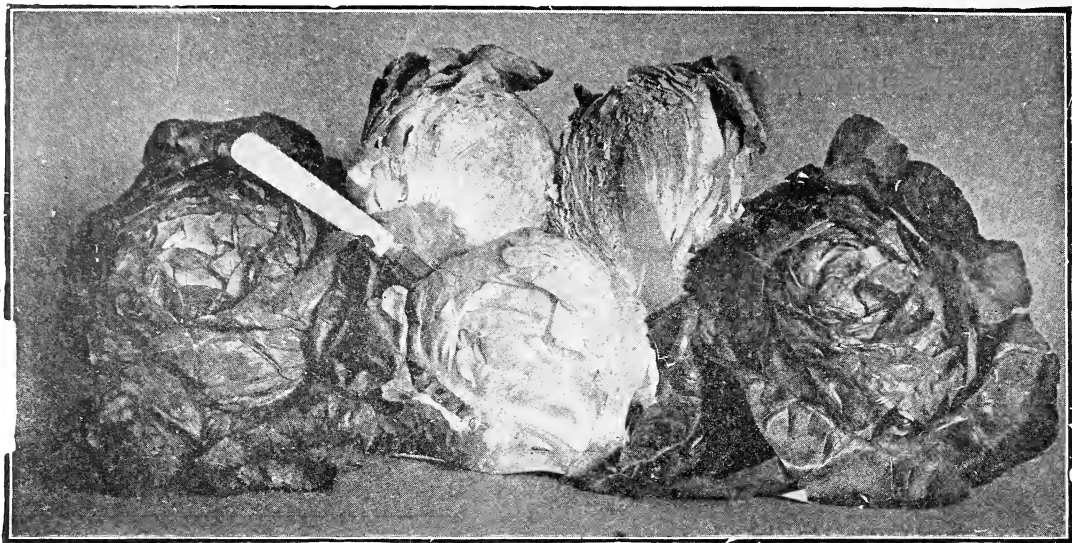
German, Laitick; French, Laitue; Spanish, Lechuga.

For early crop, the seed may be sown in the open ground in September, and transplanted to cold-frames as soon as large enough to handle. In dry, sheltered spots, by covering up with leaves late in the season. Lettuce plants may be saved over Winter without glass covering. The plants for setting out in Spring are also sown in coldframes in February, and in hotbeds in March, and by careful covering up at night make plants to set out in April.

**ROMAINE OR COS VARIETIES**

<b>Bath Cos.</b> Pale green tinged with brown. Early. . . . .	.15	.45	1.50
<b>Trianon Cos.</b> The best of the Cos variety.....	.15	.40	1.25
<b>White Paris Cos (Romaine).</b> Sow early; tie up to blanch .....	.15	.40	1.25

Lettuce is the most popular of all salads. Boiled, is quite equal to Spinach; and it is also sometimes used in soups. It is easy of cultivation, but likes a good rich soil. For early use, sow Simpson and Tennis Ball under glass in February and March and transplant as soon as the ground can be worked. Later sowings may be made in the open ground for successions as long as the weather permits; thin out well or the plants will be weak, and set in rows two feet apart and eight inches between the plants. The best early plants are obtained by sowing in the open ground in September, and transplanting to cold frames the latter part of October, being wintered over in the same manner as early Cabbage. Lettuce requires good ground and abundant moisture.



MAY KING LETTUCE

LETTUCE—Continued

German, Laitick; French. Laitue; Spanish, Lechuga.

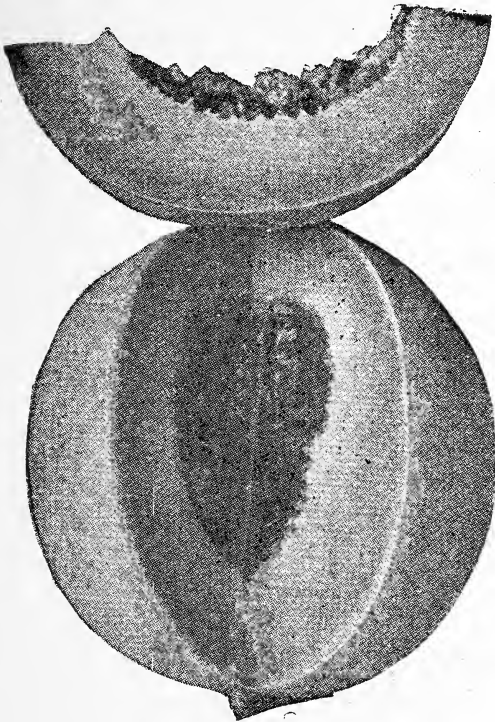
	Per oz.	¼-lb.	lb.
New York or Wonderful—Round Solid Head. Heat resisting .....	\$0.25	\$0.85	\$3.00
May King Lettuce. Very early, sure header, solid, good flavor.....	.15	.45	1.50
Thorburn's Maximum. Large and solid heads, heat resisting .....	.15	.50	1.50
Selected Buttercup. Yellow, solid heads for outdoor forcing .....	.15	.50	1.50
Big Boston. Similar to Boston Market, double this size .....	.15	.45	1.50
Early Curled Simpson. Very early and an excellent sort for forcing; is largely grown by the market gardeners.....	.15	.40	1.25
American Gathering. Twisted and curled leaves, fine for early or late.....	.15	.50	1.50
Deacon. This magnificent Lettuce stands hot weather better than any other Butter variety. Large, firm heads of creamy white and rich flavor....	.15	.40	1.25
Denver Market. For forcing or open ground; large solid heads .....	.15	.50	1.50
Tennis Ball. (Black seeded), well formed heads, hardy and crisp, one of the earliest of heading varieties .....	.15	.40	1.25
Salamander Head. Fine compact head, resists heat .....	.15	.40	1.25
Black-Seeded Butter. Fine market strain .....	.15	.40	1.25
Large White Cabbage. Excellent for summer; heads of good size .....	.15	.40	1.25
Black Seeded Simpson. Stands the summer well .....	.15	.45	1.50
Gray Seeded Butter. One of the best large heads, .....	.15	.40	1.25
Shotwell's Brown Head. Large and handsome; heads hardy; standing summer heat without injury .....	.15	.45	1.50
Boston Market. Large solid heads, very fine for forcing, and of fine flavor.	.15	.45	1.50
Iceberg Favorite Summer Lettuce .....	.15	.40	1.35

**MELON, MUSK**

Package 5 Cents

German, Melone; French, Melon; Spanish, Melon Muscatel.

	Per oz.	¼-lb.	lb.
Honey Dew. Large, round, delicious, rich green flesh .....	\$0.20	\$0.50	\$1.75
Paul Rose. Handsome, oval, orange flesh, sweet .....	.15	.40	1.40
Long Island Beauty. Similar to Hackensack; very early .....	.15	.40	1.40
Miller's Cream or Osage. Flesh and salmon color and very thick .....	.15	.40	1.40
Golden Netted Gem. Early, round, small, fine flavor .....	.10	.35	1.15
Hackensack. Variety of Green Citron, well known among the New York market gardeners, grows to a very large size, productive, exquisite flavor .....	.10	.35	1.25
Montreal Market. Green flesh, very thick, fine flavor .....	.20	.45	1.50
Long Yellow Cantaloupe. Yellow flesh, suitable for the market .....	.10	.35	1.25
Baltimore Market. Oblong; orange flesh .....	.20	.60	2.00
Jennie Lind. A very early kind, of small size, but delicious flavor .....	.10	.35	1.25
Cassaba. Good water melon, sweet melting—must be fully ripe. Pkt. 10c .....	.35	1.25	4.00
Rocky Ford. Very sweet; spicy flavored, small and oblong, most popular sort .....	.20	.50	1.75



HONEY DEW MELON.

Melons thrive best in a moderately enriched live soil; the hills should be six feet apart each way. Previous to planting incorporate well with the soil in each hill a couple of shovelfuls of thoroughly rotted manure; plant twelve or fifteen seeds in each hill in May, and when well up, thin out three or four of the most promising. Pinch off the leading shoots as the growth becomes too luxuriant, and if the fruit sets too numerous thin out when young, which will increase the size of those remaining, and cause them to ripen quicker.

**MELON, WATER**

Package 5 Cents

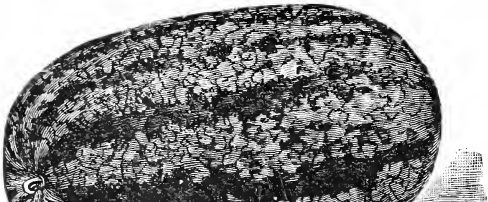
German, Wassermelone; French, Melon d'Eau; Spanish, Zaudia.

	Per oz.	½ lb.	lb.
Tom Watson. Long and 8 to 10-in. diameter. Thin rind, crisp flesh, fine flavor .....	.15	.35	1.00
Kolk's Gem. Nearly round, dark green .....			
Sem'ole. A new early variety. Long striped sort.....			
Pride of Georgia. Dark green, oval in shape; crisp and sweet; very large.			
Mountain Sweet. One of the very best for culture; color dark green; and rind thin; flesh scarlet; solid, very sweet and delicious.....			
Black Spanish. Shape round, rather small; skin dark green, flesh red, sweet, rich .....			
Phinney's Early. Flesh deep red, of a very superior quality; a valuable early market variety .....			
Cuban Queen. Solid and heavy .....			
Ice Cream. (White seeded), fruit of medium size, nearly round; skin pale green; rind thin; flesh scarlet, solid crisp, excellent.....			

MELON, WATER—Continued.

- Rattlesnake. Very large, striped, red flesh variety.....

Mammoth Iron Clad. Long and large; thin skin, deep red flesh.....



**IRON CLAD**
- The "Boss," Oblong; dark green .....

Citron. (Red seeded), round handsome fruit of small size and used in the making of sweetmeats and preserves .....

Citron. (Green Seeded), used for preserves...

Per oz.	¼-lb.	lb.
.15	.35	1.00

Plant in hills directed for Muskmelons, giving them more room, as their vines extend much farther. If they are wanted of a large size, three or four melons to each plant will be sufficient, and when only one is allowed to grow from each plant they will grow to an immense size.

MUSHROOMS

German, Chimpignoubut; French, Champignon; Spanish, Hongo

Imported English Spawn ..... Per brick, 25c; 10 bricks, \$2.50; 20 bricks, \$4.75

American Spawn Bricks ..... Per brick, 35c; 10 bricks, \$2.75; 20 bricks, \$5.00

Mushrooms should be grown either in a building especially erected for the purpose or some shed, stable or cellar, where the temperature of from 40 to 60 degrees can be kept up in winter. To every barrow load of fresh horse droppings add about the same weight of loam or soil of any kind that has not been manured. Turn the heap every day, so that it is not allowed to heat violently, until you have quantity enough to form a bed of dimensions required. Be careful that your heap is under cover, so that it cannot possibly get wet. The most convenient size is from three to four feet long and eight inches deep.



MUSHROOMS.

Prepare the mixture of loam and manure, making the bed in layers and pounding down each with the back of a spade. Leave this to heat through for a few days, and as soon as the heat subsides to 90 degrees, make holes in the bed about a foot apart each way into which put pieces of spawn two or three inches in diameter; fill up the holes with the compact and at the expiration of a week or ten days the spawn will have thoroughly diffused itself through the bed. Now spread a layer of fresh soil

over the heap to the depth of two inches, firm it down moderately and cover with three or four inches of hay or straw. Examine the bed often to see that it does not get dry. When water is given it should be at a temperature of about 100 degrees.

MUSTARD

5 Cents Pkt.

German, Snef; French, Moutarde; Spanish, Mostaga.

	Per oz.	¼-lb.	lb.
White London. Best for salads .....	\$0.10	\$0.25	\$0.75
Black. Used for cooking and salad.....	.10	.30	1.00

Mustard in the green state is a refreshing salad, mixed with Cress, Lettuce, or other salad plants. It is necessary to make frequent sowing of it, as it should be cut and used in a very young state, even before the first rough leaf appears. The seed should be sown thickly in light soil the surface of which should be made very smooth. The seed should be pressed into the soil with the back of a clean spade.

**NASTURTIUM**

Package 5 Cents

German, Nastrutian; French, Capucine; Spanish, Maranuela.

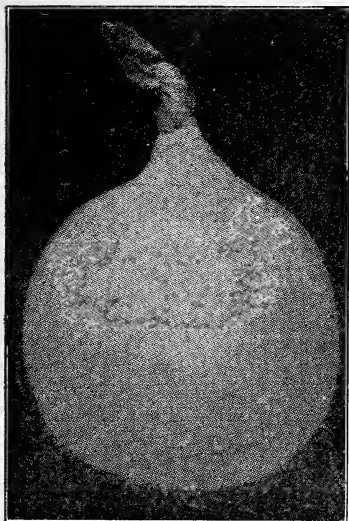
	Per oz	¼ lb.	lb.
Tall Scarlet .....	\$0.20		
Tall Yellow .....	\$0.20		
Tall Nasturtium, Mixed.....	.15	.40	1.50
Dwarf Nasturtium, Mixed .....	.15	.45	1.50

Cultivate both for use and ornament; the green seed pods preserved in vinegar make an excellent pickle. The young leaves are also useful in salads. Its scarlet and orange-colored flowers which appear freely all summer, add a charm to the garden.

**ONION**

Package 10 Cents

German, Zweibel; French, Oignon; Spanish, Cebolia.



Yellow Globe Prize Taker, 90 days.

	Per oz.	¼ lb.	lb.
Australian Brown, mild flavor, heavy golden early .....	.25	.75	2.00
Early Red Flat. About ten days earlier than the Large Red, and not quite so large.....	.20	.50	1.50
Large Red Wethersfield. The staple variety of the Eastern onion growers; of large size, deep in color, a good keeper.....	.20	.50	1.50
Southport Red Globe. Similar to the large Red in flavor and color, but quite distinct in form, being nearly globular .....	.25	.75	2.00
Yellow Globe Danvers. An excellent variety, mild and very productive; ripens early and a good keeper .....	.20	.50	1.50
White Portugal or Silver Skin. A handsome onion of mild flavor; extensively grown for pickling..	.25	.75	2.00
Southport White Globe. Form nearly ovoid symmetrical, keeps well, is an excellent variety.....	.25	.75	2.00
Southport Yellow Globe. As above except color .....	.25	.75	2.00
White Flat Bermuda. Very early	.30	.90	2.50

**ITALIAN VARIETIES**

Adriatic Barletta. White, new variety, fully two weeks earlier than the Queen	.40	1.25	4.00
Early Queen. Excellent variety, very early, a good keeper and mild flavor, white .....	.40	1.25	4.00
Giant Rocca. A splendid large variety from Naples, of globular shape, bright brown skin and delicate flavor.....	.40	1.25	4.00

The onion thrives best in a rather strong, deep, rich loamy soil, and unlike most vegetables succeeds well when cultivated on the same ground for successive years. The ground should be deeply trenched and manured the previous autumn, and laid up in ridges during the winter to soften. As early in the spring as the ground is in working order, commence operations by leveling the ground with a rake, and tread firmly; sow thinly in drills about a quarter of an inch deep and one foot apart; cover with fine soil and press down with the back of a spade or a light roller. When the young plants are strong enough, thin gradually so that they stand three or four inches apart.

**ONION SETS**

White Onion Sets .....	Qt. 30 cents	Potato Onions .....	Qt. 35 cents
Yellow Onion Sets .....	Qt. 25 cents	Shallots .....	Qt. 35 cents
Red Onion Sets .....	Qt. 25 cents	Red Top Onions .....	Qt. 35 cents

**OKRA OR GUMBO**

Package 5 Cents

German, Essbarer Safran; French, Gomo; Spanish, Quibombo.

Per oz. ¼ lb. lb.



LONG GREEN OKRA

<b>Improved Dwarf White.</b> Long slender pods, very productive, only 14 inches high .....	\$0.10	\$0.25	\$0.75
<b>Dwarf Green.</b> Early and productive .....	.10	.25	.75
<b>Long Green.</b> Fine long pods, very good .....	.10	.25	.75

The pods in a young state are used in soups, sauces and stews, and are very wholesome and nutritious. It is the easiest culture and grows freely, bearing abundantly when grown in ordinary garden soil. It is sown at the usual time of all tender vegetables in drills two inches deep, setting the plants from two to three feet apart.

**PARSNIPS**

Package 5 Cents

German, Pastinake; French, Panais; Spanish, Chirivia

Per oz. ¼ lb. lb.

<b>Guernsey or Cup.</b> Leading variety .....	\$0.15	\$0.25	\$0.85
<b>Long Smooth or Hollow Crown.</b>			
Long roots .....	.15	.25	.85
<b>Early Round</b> .....	.15	.25	.85

They succeed best in a deep rich soil that has been well manured the previous season, as manure freshly applied tends to the production of forked and ill-shaped roots. Sow the seed early in spring in drills eighteen inches apart in the garden, and three feet apart in the field, thin the plants to six inches in the drill.

**PARSLEY**

Package 5 Cents

German, Petersilie; French, Persil; Spanish, Perjil.

Per oz. ¼ lb. lb.

<b>Extra Double Curled.</b> A fine dwarf variety excellent for garnishing .....	\$0.15	\$0.30	\$0.90
<b>Moss Curled.</b> The most beautiful form of parsley, resembling crested fern or moss in its growth .....	\$0.15	\$0.30	\$0.90
<b>Plain Leaves.</b> Hardier than the curled variety .....	.10	.25	.85
<b>Hamburg, or Rooted.</b> Edible roots .....	.15	.35	1.10

Should be sown very early in the spring in beds or in lines, and the seeds which are somewhat slow to vegetate should be previously soaked 24 hours in warm water. The soil should be kept free from weeds, which should be extracted by the hand, so as to avoid disturbance of the seed when about to germinate. As soon as the plants are large enough they should be thinned out so as to stand five or six inches apart.

**PEAS**

Package 10 Cents

German, Erbsen; French, Pois; Spanish Guisantes.

Extra Early Varieties

lb. 2 lb. 5 lb.

<b>Harvester.</b> Medium Early. Large double podded. Heavy cropper. flavor. Vines dark green and very sturdy .....	.55	1.00	2.25
<b>Laxtonian</b> —See Novelties .....	.35	.65	1.50
<b>Gradus or Prosperity.</b> Earliest wrinkled Pea grown. Can be sown early as the round sorts. Large peas and pods, splendid flavor. Requires no sticks, reaching only 36 inches in ordinary good soil. Height, 3 feet....	.35	.65	1.50
<b>Thomas Laxton.</b> A cross between Gradus and one of the extra early sorts. Ripens within a day or two of the earliest round varieties; very productive. The pods are large and contain 7 or 8 large, wrinkled Peas of the finest flavor .....	.35	.65	1.50



## PEAS—Continued.

World's Record. 10 days earlier than Gradus.

1 lb. 2 lb. 5 lb.

<b>Nott's Excelsior.</b> Extra dwarf wrinkled, pods larger than American Wonder, 1 foot....	\$0.30	\$0.60	\$1.40
<b>American Wonder.</b> Earliest wrinkled variety, 1½ feet.....	.30	.60	1.40
<b>Alaska.</b> Very early and retain their color well, height 2½ feet	.25	.50	1.15
<b>First and Best.</b> One of the best extra early Peas. An improved strain of the Extra Early Market, height 2½ feet.....	.25	.50	1.15
<b>Little Gem.</b> A dwarf green wrinkled Market, very prolific, of superior flavor, and a first early, 1½ feet .....	.30	.60	1.40
<b>Premium Gem.</b> A fine flavored dwarf, wrinkled variety; good cropper and fine quality. Height, 18 inches .....	.30	.60	1.40

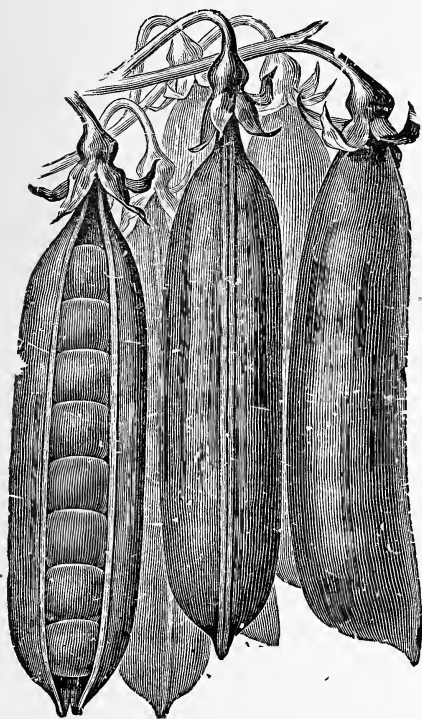
## SECOND EARLY VARIETIES.

<b>Heroine Medium Early.</b> Green wrinkled, height 2½ feet .....	.30	.60	1.40
<b>Everbearing.</b> Good size pea, long pods, height 2½ feet.....	.30	.60	1.40
<b>McLean's Advancer...</b> Early green wrinkled varieties, delicious flavor, height 2½ feet..	.25	.50	1.15
<b>Pride of the Market.</b> Very large pods, green peas, sow thin, height 2 feet .....	.35	.65	1.50
<b>Yorkshire Hero or Dwarf Champion</b> .....	.30	.60	1.40
<b>Abundance,</b> 18 inches high, 6 to 8 peas in pod, large and wrinkled .....	.35	.65	1.50
<b>Dwarf Telephone.</b> Same quality and productiveness as Telephone excepting the vines grow 2 feet high, pods are large and filled with immense peas of excellent flavor and sweet .....	.35	.60	1.50

## GENERAL CROP.

<b>Champion of England.</b> A popular wrinkled variety of delicious flavor, profuse bearer. Peas are very large, tender, height 5 feet .....	.30	.60	1.40
<b>Telephone.</b> This is the best pea for general crop, both for home and market use. Immediately productive and of finest quality. Vines very strong, averaging 18 to 20 large pods per stalk, 4 feet. ....	.35	.65	1.50
<b>Stratagem.</b> Mammoth pods, well filled, height 1½ feet .....	.35	.65	1.50
<b>Black-Eyed Marrowfat.</b> Grown for market, hardy, productive, 3 ft. bu. \$4.00	.25	.45	1.00
<b>Mammoth Gray Sugar.</b> Edible pods, a fine flavored variety; can be used in green state like string beans. Height 5 feet. . . . .	.45	.90	2.25
<b>Dwarf, Sugar.</b> Edible pods.....	.35	.70	1.75

Peas come earlier to maturity in light soil. For general crop a deep rich loam, or strong loam inclining to clay is best. For early crops decomposed leaves or leaf mould should be used, or if the soil is very poor, strong manure may be employed. For general crop a good dressing should be applied, and for the dwarf growing kinds the soil can hardly be too rich. When grown as a market crop, peas are not staked, but sown in single rows, two or three inches deep, two or three feet apart according to the variety. When grown in small quantities for private use



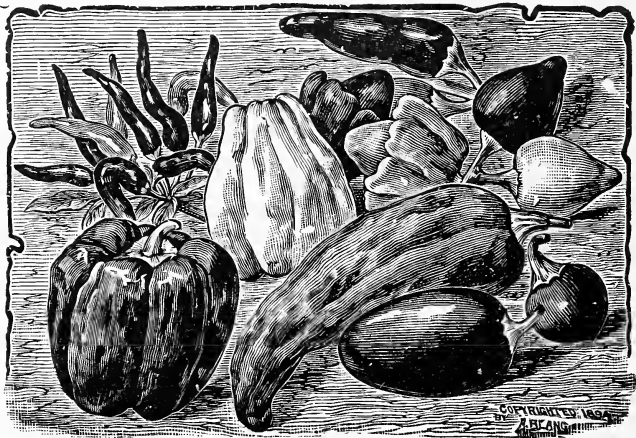
PEAS—Continued.

they are sown in double rows six or eight inches apart, and the rows three feet apart, the tall varieties staked up by brush. For an early crop, sow as soon as the ground can be worked, and make repeated sowings every two weeks for succession. A quart is sufficient for a row of about eighty feet

PEPPER

Package 10 Cents

German, Pfeffer; French. Piment; Spanish, Pimento.



PEPPERS.

	Per oz.
Ruby King. Very large; bright red.....	\$0.50
Sweet Spanish. One of the largest. Best for salads, mild .....	.50
Large Bell or Bull Nose. An early variety of mild flavor .....	.50
Sweet Mountain or Mammoth. Of large size, best for mangoes .....	.50
Chinese Giant. Double the size of Ruby King. This is the largest and finest mild Red Pepper. Flesh is thick and unusually mild. Productive bearer .....	.75
Long Red Cayenne. Used for Pepper sauces; very pungent .....	.50
Chili. Very piquant and prolific, fruit conical, bright scarlet .....	.50
Golden Dawn Mango. This is a remarkably prolific Pepper of the Bell class of a mag- nificent golden color .....	.50
Hot Mango Pepper. Very Hot, best for Pepper Sauce and Pickling .....	.50

The Pepper or Capsicum is valuable for its seasoning qualities, as well as for pickling. Sow early in heat and transplant when the weather is warm and settled, or sow in warm situation in the garden about the middle of May. Plants should be set a foot and a half apart.

POTATOES

German, Kartoffel; French. Pomme de Terre; Spanish, Petata.

Houlton Stirling (see novelties).
Houlton Hebron. White skin, the most popular variety in cultivation
Houlton Rose. The standard variety.....
Houlton Early Queen. Early and productive.....
Houlton Green Mountain. Late variety, good keeper, white and mealy
Houlton Irish Cobbler. Very early, round white.....
Houlton Boree. Extra early production, white flesh.....
Houlton Bagley .....
Houlton Delaware .....

Prices on  
application.



POTATOES—Continued

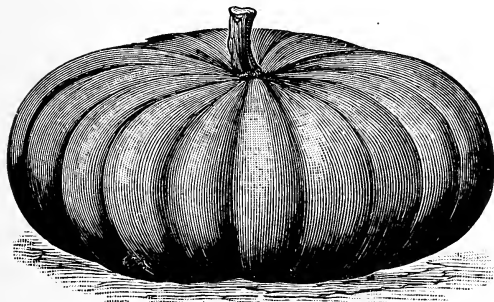


HOULTON MAINE POTATOES.

PUMPKIN

Package 5 Cents

German, Kuerbis; French, Cource;  
Spanish, Calabaz a Tetanera.



CHEESE PUMPKIN.

	Per oz.	¼-lb.	lb.
Morse's Marrow .....	\$0.20	\$0.55	\$1.75
Calhoun. Flesh wonderfully thick, fine grained.....	.15	.50	1.75
Large Cheese. The best variety, hard and productive .....	.15	.30	.95
Connecticut Field. Very productive, largely grown for feeding stock, 20c per quart, \$3.00 per bushel....	.15	.35	1.15
Mammoth King. Grows to an immense size .....	.20	.50	1.50
Early Sugar. Fruits medium size, of excellent keeping quality. Flesh very sweet .....	.15	.35	1.25
Cushaw. Salmon color, crooked neck .....	.20	.60	1.65
Tennessee Sweet Potato. Bell shaped, thick, white flesh, nothing finer for pies .....	.20	.50	1.60

These are usually in fields of Corn or Potatoes, but may be profitably raised in fields by themselves. Sow in May; in hills eight feet apart.

RHUBARB

Package 5 Cents

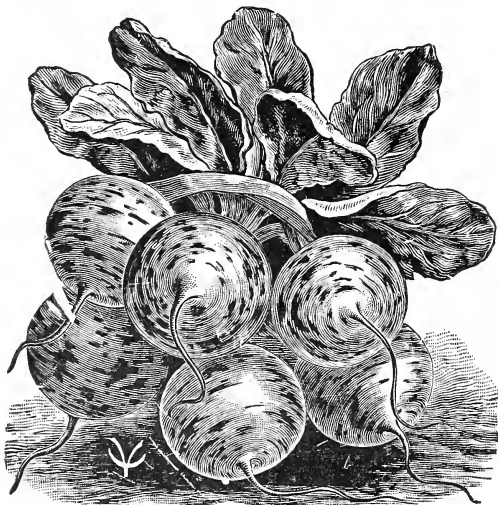
German, Rabarber; French, Rhubarbe; Spanish, Ruibarbo.

	Per oz.	¼-lb.
Linnaeus. Early, large and tender .....	.20	.60
Victoria. Very large, later than Linnaeus.....	.20	.60
Roots (Victoria) .....	.25	1.75

Sow early in spring, in drills a foot apart, thinning out to about the same distance apart in the rows when a few inches high. In fall or following Spring, transplant into deep, rich soil, about three feet apart each way.

**RADISH****5 Cents Package**

German, Retting; French, Radis; Spanish, Robanitos.			
Siberian—See Novelties—15c package.	Per oz.	¼-lb.	lb.
Early Scarlet Turnip. The standard variety, of quick growth, mild and crisp when young .....	\$0.15	\$0.30	\$0.90
Early Scarlet Turnip. Forcing variety, maturing in three weeks .....	.15	.30	.90
Early Scarlet Turnip, White tipped. A beautiful new early kind, round in shape; color scarlet, tipped with white, a favorite for market gardeners .	.15	.35	1.10
Early Scarlet Turnip. White tip, forcing .....	.15	.45	1.35
Olive Shape Deep Scarlet .....	.15	.30	.90
French Breakfast. Of quick growth, very mild and tender, of oval form; color scarlet, tipped with white .....	.15	.40	1.25
Long Scarlet. One of the leading market kinds. ....	.10	.25	.80
Rose China Winter. Flesh firm and piquant; excellent for winter use .....	.15	.30	.90
White Summer Turnip. A summer variety of mild flavor .....	.15	.45	1.15
Yellow Summer Turnip. Grows to a large size. ....	.15	.30	.90



Black Spanish Winter. Long, one of the hardiest and best for winter use .....	.15	.30	.90
Black Spanish Winter. Round, .....	.15	.30	.90
White Strasburg. Very large. German sort .....	.15	.25	.80
White Vienna or Lady Finger. Crisp and tender in summer, .....	.15	.25	.80
Icicle. Long, pure white, suitable for forcing .....	.15	.30	.85

There are two classes of Radishes, those for Spring and Summer use, which are small and arrive quickly at maturity, and with proper care can be kept all winter. The summer radishes should be used while young and tender; if allowed to grow too long they become tough and stringy; they thrive

best in high rich soil. For a successful supply, sow from the middle of March until September, at intervals of two or three weeks. For an early supply they may be sown on a mild hotbed in February. The winter varieties may be sown from the latter part of July to the middle of September.

**SORREL****10 Cents Package**

Used for Salad—Has an acid flavor—or it may be cooked same as spinach.	oz.	¼-lb.
Large French .....	.20	.50

**SPINACH****5 Cents Package**

German, Spinat; French, Epinard; Spanish, Espinaca  
Special price on lots of 10 to 25 lbs.

	Oz.	¼-lb.	1-lb.
Long Standing, Round Leaved .....	\$0.10	\$0.20	\$0.50
Flander's Round Leaved. The variety commonly grown, good for spring or fall sowing .....	.10	.20	.50
Large Viroflay. A new variety, with leaves much larger and thicker than the old variety .....	.10	.20	.50

## SPINACH—Continued

	Per oz.	¼-lb.	lb.
<b>Victoria, New.</b> Dark green color, sow early.....	\$0.10	\$0.20	\$0.50
<b>Bloomsdale Savoy Leaved.</b> A large, curled, thick leaved variety, the market gardener's favorite.....	.15	.25	.60
<b>Prickly.</b> Prickly seeded, with triangular arrow-shaped leaves .....	.10	.20	.50
<b>New Zealand.</b> Produces leaves in great abundance throughout the summer, should be raised in heat and transplanted three feet apart each way into light rich soil .....	.15	.35	1.15

Sow in fall for spring use, in drills a foot apart, thinning out the plants to three inches apart in the rows. Spinach is very hardy and does not require protection except in very exposed places, where a covering of straw or leaves is useful. For summer use sow as early as possible in spring, and at frequent intervals, during the season for succession.

## SALSIFY, OR OYSTER PLANT

Package 10 Cents

German, Bocksbart; French, Salsifis; Spanish, Salsifi.

	Per oz.	¼-lb.	lb.
<b>Long White French</b> .....	\$0.20	\$0.55	\$1.75
<b>Mammoth Sandwich Island</b> .....	.20	.55	1.75

This very nutritious vegetable requires the same cultivation as Carrots or Parsnips. It is quite hardy and the roots may remain in the ground all winter; a quantity can be taken up and packed in earth or sand, and stored away for use when needed. It makes a fine soup, like the oyster. It is also half-boiled, grated fine, made into small balls, dipped into butter, and fried.



SALSIFY



## SQUASH

Package 5 Cents

German, Garten Kuerbise, French Courge; Spanish, Bueter

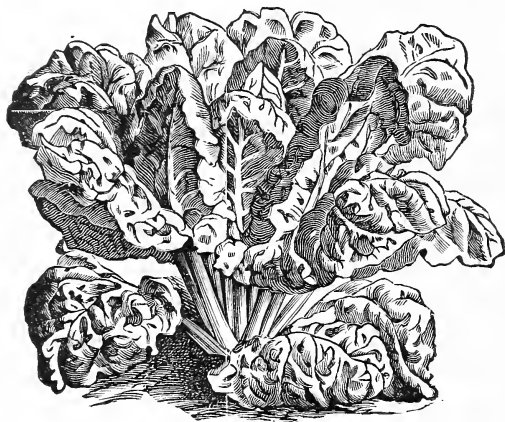
	Per oz.	¼-lb.
<b>Mammoth Summer Crookneck.</b> Twice size of Summer Crookneck .....	\$0.20	\$0.50
<b>Fordhook Squash.</b> Bright, yellow, good keeper .....	.20	.50
<b>Early Golden Bush Scalloped.</b> True bush growth producing fruit ready for use early in the summer .....	.15	.45
<b>Early White Bush Scalloped.</b> A white variety of the above .....	.20	.50
<b>Summer Crookneck.</b> Early, productive and of good quality.....	.20	.50
<b>Boston Marrow.</b> A very valuable medium early variety, an excellent keeper and of superior quality.....	.15	.35
<b>Hubbard.</b> The best Winter Squash, fine grained, dry, keeps well and is of excellent flavor .....	.20	.50
<b>Mammoth Chili.</b> Grows to a large size, often weighing two hundred pounds. Excellent for stock .....	.20	.50
<b>Vegetable Marrow.</b> A favorite English sort, skin greenish yellow, flesh white, soft and rich flavor .....	.20	.50
<b>Italian (Cecozella di Napoli)</b> grows 20 inches long with diameter of 3 or 4 in. Green or Marbled Yellow. See Varieties .....	.30	.90

**SQUASH—Continued.**

Squashes are divided into two classes, Summer and Winter. The Summer varieties come into use about midsummer, and are eaten when the rind and flesh are young and tender. The Winter varieties are left on the vines until they are thoroughly ripe, gathered in the Fall, and stored away for Winter use. If well ripened and kept in a good cellar, they can be preserved until May. Prepare hill for the seeds by incorporating two or three shovelfuls of well rotted manure with the soil for each hill. For the bush varieties, from three to four feet each way, and for the running sorts from six to eight feet. Eight or ten seeds should be sown to each hill, thinning out after they have attained their rough leaves, leaving three or four of the strongest plants.

**SWISS CHARD OR SILVER BEET**

5 Cents Package



SWISS CHARD.

**Silver Leaf.** This is a Beet producing leaves only of a quality superior to those of the ordinary Beet, and excellent greens. Cultivate about the same as spinach, by sowing in early spring in drills about a foot apart. Oz., 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25.

**Giant Lucullus.** Large, crinkled leaves; tender and of fine flavor; dark green; pure white ribs. Oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.25.

**TOBACCO**

Package 10 Cents

**Connecticut Seed Leaf.** This variety is best adapted to the climate of the Northern and Middle States. Oz., 75c;  $\frac{1}{4}$  lb., \$2.00.

**Havana.** Imported Seed, Vuelto de Abbajo. Per oz. 1.25;  $\frac{1}{4}$ -lb. \$4.00.

**TOMATO**

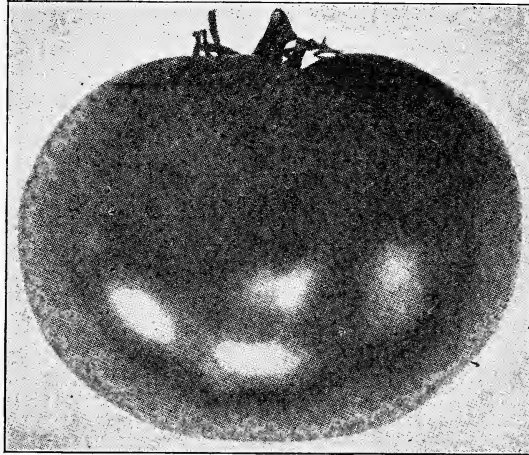
10 Cents Package

German, Liebesapfel; French, Tomote; Spanish Tomata.

	Per oz.	$\frac{1}{4}$ -lb.
Orange Sunrise, (See Novelties). Pkt. 50c.		
John Baer. Earliest tomato grown .....	\$0.40	\$1.25
June Pink. A very early market sort, smooth, medium size, bright pink.....	.45	1.50
Earliana, Extra Early. Bright red, smooth. It is claimed to be one of the earliest introduced, very productive.....	.35	1.20
Favorite. Large, smooth, productive, very solid and of fine flavor. A good shipper .....	.35	1.00
Chalks Early Jewel. Extra early, large, smooth.....	.40	1.20
Trucker's Favorite. Large, smooth and very regular in form, purplish red, solid .....	.35	1.20
Ponderosa. Very large and solid .....	.50	1.50
New Stone. Large and smooth .....	.40	1.30
Livingston's Perfection. Very early, round, smooth, tough skin, brilliant; solid and rich flavor; ripening thoroughly. A favorite market variety .....	.35	1.00
Livingston's Beauty. Large dark crimson, thick skin .....	.35	1.00
Dwarf Champion. Resembles Acme, early.....	.45	1.30
Acme. A beautiful variety. Fruit of medium size, form perfect and very smooth. Ripens all over and through at the same time. This variety seems to possess all the good qualities that can be desired in a tomato .....	.35	1.00
Matchless. Extra large, smooth and handsome; bright red; very solid. Plant of vigorous growth and prolific .....	.35	1.15
Bonny Best. Early tomato, large, smooth, uniform.....	.40	1.20

**TOMATO—Continued**

	Per oz.	¼-lb.
<b>Golden Queen.</b> A first class large, smooth, pure yellow Tomato. Fine bearer and of excellent flavor .....	\$0.35	\$0.60
<b>Yellow Plum.</b> Used principally for pickling.....	.55	
<b>Red Pear Shape.</b> Used principally for preserving and pickling .....	.55	
<b>Red Currant for Preserves</b> .....	.55	
<b>Yellow Cherry.</b> Similar to above, except in color .....	.55	

**EARLIANA TOMATO**

The seed should be sown in a hotbed about the first week in March, in drills five inches apart and half an inch deep. When the plants are about two inches high, they should be set out four or five inches apart in another hotbed, or removed into small pots, allowing a single plant to a pot. About the middle of May the plants may be set in the open ground, at a distance of three to four feet apart in hills in which a good shovelful of rotted manure has been mixed.

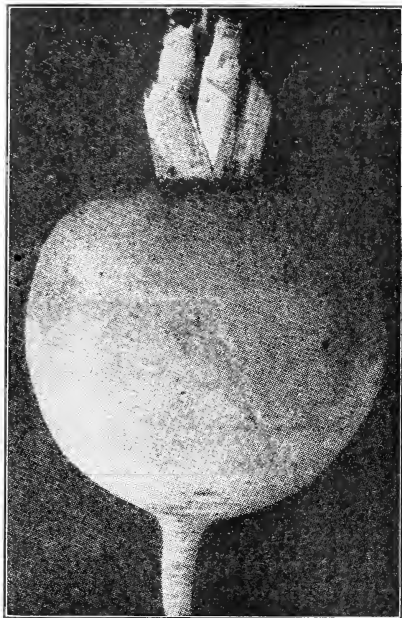
**TURNIP****5 Cents Package**

German, Rube; French, Navet; Spanish, Nabo.

	Per oz.	¼-lb.	lb.
<b>Milan.</b> (Purple top), the earliest of all.....	\$0.15	\$0.35	\$1.25
<b>Early White Flat Dutch.</b> An early garden variety of medium variety size..	.10	.20	.75
<b>Red Top Strap Leaf.</b> This and the preceding are the best two kinds for Spring sowing and for garden culture.....	.10	.20	.75
<b>Red Top White Globe.</b> Very desirable, extensively grown for market .....	.10	.20	.75
<b>White Egg.</b> A new variety, beautifully shaped; excellent table turnip ....	.10	.20	.75
<b>Yellow Globe.</b> One of the best for general crop, either for table use or stock	.10	.25	.75
<b>Yellow Stone.</b> A good globe-shaped turnip, similar to the above .....	.15	.25	.85
<b>Golden Ball.</b> A table Turnip of quick growth, and unsurpassed quality ....	.15	.25	.85
<b>Long White or Cow Horn.</b> One of the best field Turnips, flesh fine grained	.15	.30	.90
<b>Yellow Aberdeen.</b> Hardy and productive, largely grown for farm purposes ...	.15	.30	.90
<b>Large White Norfolk.</b> Globe-shaped variety, one of the best for stock.....	.10	.25	.70
<b>Pomeranium White Globe.</b> Very fine, white Globe variety, round and thick	.10	.25	.70
<b>Seven Top.</b> Tops used for Greens.....	.10	.20	.70

## TURNIPS—Continued

## RUTA BAGAS



PURPLE TOP STRAP TURNIP

**American Improved Purple Top.** The leading variety, of fine quality, valuable both for the table and for feeding stock.

oz.	¼-lb.	lb.
.15	.25	.85

**Carter's Imperial Royal Swede.** An English variety, highly recommended as producing enormous crops.

.15	.25	.85
-----	-----	-----

**White or Sweet German.** A large solid variety.

.15	.25	.85
-----	-----	-----

**Laing's Improved, Globe-Shaped,** with small top and tap root.

.15	.25	.85
-----	-----	-----

For spring crop commence sowing early varieties as soon as the ground can be worked, in drills fourteen inches apart; thin out the plants to five or six inches apart. Keep clear from weeds, and when the bottoms begin to enlarge, brush away the earth from about the roots the depth of an inch or more and give them a light dressing, of wood ashes. This is the surest mode of obtaining fair and smooth Spring Turnips in old gardens where they are almost certain to grow wormy if the earth is allowed to remain in contact with the roots. It is important to get them started very early so that they may have time to grow a sufficient size before very hot weather, when they will soon become tough and strong. For the Fall and main crops, sow from the middle of July to the last of August in drills as directed for the Spring sowing. In the field, Turnips are more generally sown broadcast though much larger crops are obtained by drill culture.

## SWEET POT AND MEDICAL HERB SEEDS

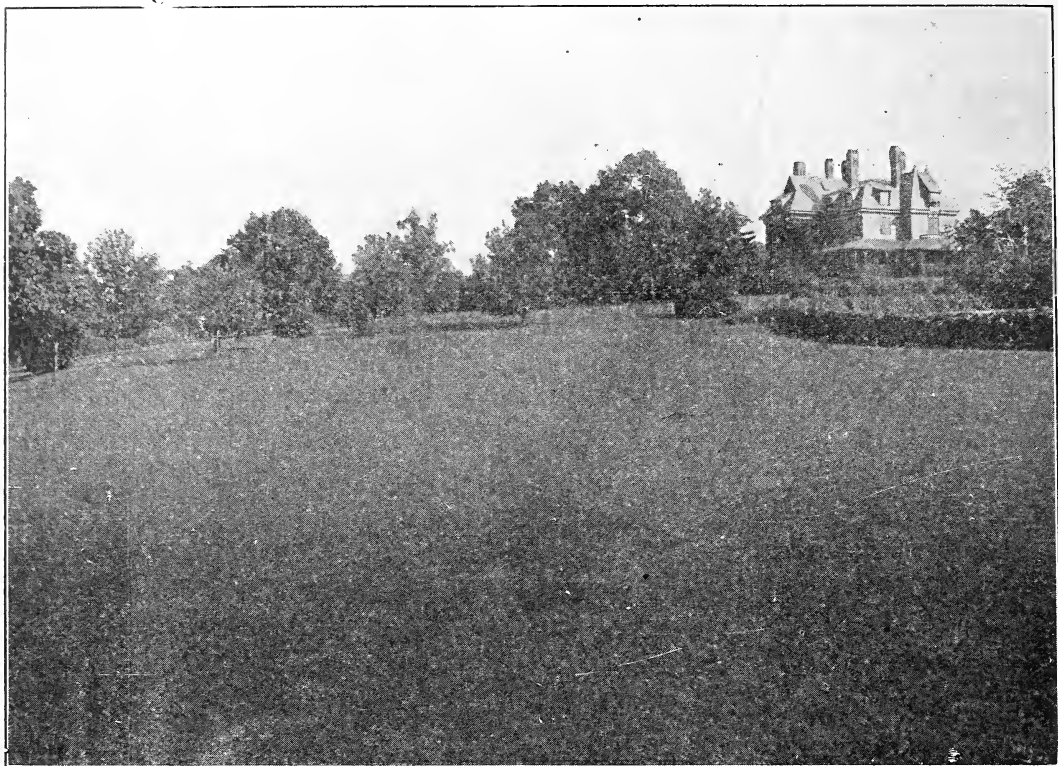
Herbs are valuable for culinary and medicinal purposes, but they do not always receive the attention which they deserve. They are easily grown, and when preserved by drying are ready for use at any season of the year. Sow in Spring as soon as the weather is warm, and thin out as the plants grow up.

	Per oz.	Pkg.
<b>Anise</b> ( <i>Pimpinella anisum</i> ), an annual, cultivated for its seeds and its leaves, which are used for garnishing and for seasoning. . . . .	\$0 35	\$0 10
<b>Balm</b> ( <i>Melissa officinalis</i> ), a hardy perennial, used for making balm tea and balm wine . . . . .	.35	.10
<b>Basil, Sweet</b> ( <i>Ocimum basilicum</i> ). This is a tender annual, cultivated for its leaves, which are much used for flavoring soups and sauces . . . . .	.25	.10
<b>Bene</b> ( <i>Sesamum orientale</i> ) . . . . .	.35	.10
<b>Borage</b> ( <i>Borage officinalis</i> ), hardy annual, sometimes used as a pot herb, and also for garnishing, but chiefly for claret cup and other cooling drinks. Bees are very partial to the flowers . . . . .	.20	.10
<b>Caraway</b> ( <i>Carum cauri</i> ), hardy biennial, cultivated for its seeds, which are largely used in various kinds of confectionery and for giving flavor to liquors. . . . .	.15	.10
<b>Catnip</b> ( <i>Nepeta cataria</i> ), perennial . . . . .	.60	.15
<b>Coriander</b> ( <i>Coriandrum salivum</i> ), an annual, raised for its seeds, which are used by confectioners, and sometimes to disguise the taste of medicine . . . . .	.15	.05
<b>Dill</b> ( <i>Anethum graveolens</i> ), annual, the leaves are used in soups and sauces, and the seeds are sometimes added to pickle cucumbers to heighten their flavor. Medicinally they are good for flatulence and colic in infants. ¼-lb. 50 . . . . .	.15	.10
<b>Fenel</b> ( <i>Anethum foeniculum</i> ), hardy perennial, leaves used for garnishing, and in the preparation of various fish sauces. . . . .	.20	.10
<b>Horehound</b> ( <i>Marribium vulgare</i> ), hardy perennial . . . . .	.40	.15
<b>Hyssop</b> ( <i>Hyssopus officinalis</i> ), hardy perennial, the leafy tops and flowers are used for making hyssop tea . . . . .	.25	10

## SWEET POT AND MEDICINAL HERB SEEDS—Continued

	Per oz.	pk.
<b>Lavender</b> ( <i>Lavandula spica</i> ), a popular aromatic herb .....	\$0.75	\$0.10
<b>Marjorum, Sweet</b> ( <i>Origanum Majorana</i> ), for seasoning .....	.50	.10
<b>Rosemary</b> ( <i>Rosmarinus officinalis</i> ), an aromatic herb .....	.35	.10
<b>Rue</b> ( <i>Ruta graveolens</i> ), used for medicinal purposes, also frequently given to fowls for the roup .....	.60	.10
<b>Sage</b> ( <i>Salvia officinalis</i> ), much used for flavoring articles of cookery. It is also pos- sessed of medicinal virtues. Tea made from its leaves is a soporific; causing profuse perspiration, ¼-lb. \$3.00.....	.40	.10
<b>Summer Savory</b> ( <i>Satureia hortensis</i> ), annual. It has medicinal and culinary uses. Its aromatic leaves are much esteemed in salads and soups .....	.30	.10
<b>Thyme, Broad Leaved English</b> , hardy perennial. Thyme is used in various ways for soups, sauce and dressings, and a tea is made of the leaves which is a great remedy for nervous headaches .....	.70	.10
<b>Tarragon Roots</b> , each .50; lots of 10, 4.00.		
<b>Tansy</b> ( <i>Tanacetum vulgaris</i> ) .....	.75	.10
<b>Wormwood</b> ( <i>Antemesia abietnum</i> ), used for medicinal purposes; it is also benefi- cial to poultry and should be planted in poultry grounds .....	.25	.10





Lawns like this can be produced by sowing Muzzy's Lawn Grass Seed.

## ABOUT LAWNS AND LAWN GRASS SEED

### FORMATION OF LAWNS FROM SEED.

There is nothing more attractive than a well kept lawn.

Many things are to be considered in connection with the making and proper care of lawns. A good lawn cannot be made in one season, success coming only through intelligent care for a period of years.

The ground should be thoroughly drained and well prepared. The soil ought not to be too rich, as a rapid growth is not wanted in the grasses of a lawn; but the surface should be as much alike in quality as possible and thoroughly pulverized. After sowing, the ground should be rolled and cross-rolled in order to press the seed firmly into the soil, and ten days or so thereafter a light application of Muzzy's Lawn Fertilizer mixed with an equal quantity of good loam or sand, will serve to stimulate the growth of the young grasses. The proper time to sow grass seed depends, of course, upon the latitude. In the central and eastern states from March 15 to the middle of May is the best time; but in favorable seasons the sowing may be done up to July 1. Seed may also be sown in the Fall, from the latter part of August to the end of September. The sowing should be done when the ground is moist, or before an expected rain, and a subsequent rolling is always advisable. As to weeds in newly-made lawns, it may be generally known that many weed seeds actually lie dormant in the ground for six or seven years and will germinate and make their appearance when the soil is turned up. The annual wild grasses, such as crab grass or Summer grass, must be pulled up by the roots before they ripen their seed in the Fall.

**Rolling.**—As soon as the frost is out of the ground in the Spring, the land should be gone over with a heavy roller. Winter frosts loosen the soil, and rolling is necessary to compress it again. Roll frequently.

**Mowing.**—All turf-forming grasses are improved, both in vigor of root-growth and in fineness of texture, by frequent mowings. It is impossible to say just how often the grass should be mown, as that depends upon the rate at which it grows. Too close cutting should be guarded against, however, especially during the hot Summer months, when the roots require some top-growth to protect them from the burning sun. A good top growth is also necessary to protect the roots from severe Winter frosts.

It is a good plan to sow on good land, in any out-of-the-way place, strips for sod to be used for patching poor parts of the lawn, or for grass borders, etc. The best mixture of seed for this purpose is *Cynosurus cristatus* (Crested Dog's-tail). Kentucky Blue Grass and Fancy Red Top.



**MUZZY BROTHERS' CELEBRATED LAWN GRASS**

	½lb.	1lb.	2lb.	5lb.	20lb.
<b>Muzzy Bros.' Fine Mixed Lawn Grass.</b> Composed of a mixture of the finest grasses; sow three bushels per acre ...	\$0.30	\$0.50	\$1.00	\$2.40	\$8.00
<b>Muzzy Bros.' Special Lawn Mixture.</b> This extra choice mixture contains a large proportion of the finer and more expensive species of grasses, in extra heavy samples, producing a turf of the closest and finest texture possible .....	.35	.65	1.20	3.00	10.00
<b>Muzzy Bros.' Shady Lawn Mixture.</b> A mixture of grasses that thrive in shady situations, under trees, or close to walls where there is little sun .....	.35	.65	1.20	3.00	10.00

**QUANTITIES TO BE USED**

Plot 20 feet by 20 feet, sow 1 pound.

Plot 25 feet by 100 feet, sow 6 pounds.

Plot 25 feet by 50 feet, sow 3 pounds.

Plot one acre, sow 80 pounds.

For large lawns, where turf has become bare through constant use, it is only necessary to sow fresh seed at the rate of one to two bushels to an acre. On such lawns it is well to use our Lawn Dressing, which can be raked in.

**MUZZY BROS.' LAWN GRASS, TOP DRESSING, ODORLESS****QUANTITY REQUIRED OF OUR CELEBRATED LAWN DRESSING**

Plot 20 feet by 25 feet, use 5 pounds.....	.50
Plot 20 feet by 50 feet, use 10 pounds.....	.80
Plot 25 feet by 100 feet, use 25 pounds.....	1.50
Plot 50 feet by 100 feet, use 50 pounds .....	2.90
Plot One-quarter acre, use 100 pounds .....	4.50

**IN THE PREPARATION OF OUR LAWN  
GRASS WE USE THE GREATEST CARE  
IN THE GROWING OF THE SEED.  
ONLY THE HIGHEST IN GERMINA-  
TION AND PURITY IS USED.**

# *The Proper Fertilizer For Lawns*



**SHEEP MANURE**, spread about one ton to the acre, is an excellent dressing, and will not bring many weeds.

Sow Broadcast.

**NITRATE OF SODA** spread broadcast, about 200 pounds to the acre, will give immediate results, and is a good thing to use. For small places, and where it is preferable to make a solution of the nitrate, it can be easily done by putting one pound to fifty gallons of water, and then sprinkled on the grass. Nitrate should be spread broadcast only when a shower is expected, otherwise it is apt to burn the grass. Several light dressings of nitrate are preferable to one heavy one. You get much better results by applying in this way.

When the lawn is of Kentucky Blue Grass, a dressing of slacked lime can be given with advantage. Spread it in the fall after the ground is frozen.

## **PRICE SHEEP MANURE**

1-lb.....	\$ .10	25-lb.....	\$1.50
5-lb.....	.40	50-lb.....	2.00
10-lb.....	.75	100-lb.....	3.00
1-Ton .....	\$45.00		

## **PRICE NITRATE OF SODA**

5-lb.....	\$ .50	10-lb.....	\$1.00
25-lb.....	2.00	50-lb.....	3.50
100-lb.....	5.50	200-lb.....	10.00

## GRASS SEED—Continued.

	Per 10 lbs.	1 lb.
<b>Hard Fescue</b> ( <i>Festuca duruiscula</i> ), admirable pasture grass of fine quality, thrives well in dry situations. 30 lbs. to the acre .....	\$5.00	\$0.60
<b>Meadow Fescue</b> ( <i>Festuca pratensis</i> ), this is excellent for hay when sown with other grasses, such as Orchard Grass and Timothy, and is also considered one of the greatest grasses for permanent pasture on a great variety of soils. 40 lbs. to the acre.....	4.00	.45
<b>Sheep's Fescue</b> ( <i>Festuca ovina</i> ), does well in high, dry and open pastures, is of short, dense growth, and valuable in lawn mixtures, 30 lbs to the acre.	8.00	.85
<b>Meadow Foxtail</b> ( <i>Alopecurus pratensis</i> ), regarded as one of the most desirable grasses for permanent pasture, being early and rapid growth. 25 lbs. to the acre.....	8.00	.85
<b>Orchard Grass</b> ( <i>Dactylis glomerata</i> ), is one of the most desirable of all pasture grasses, coming early in the Spring and remaining later in the Autumn than any other. 3 bu. to the acre. 14 lb. bu. ....	4.00	.45
<b>Fancy Red Top Grass</b> , cleaned like Timothy; free from chaff.....	3.50	.40
<b>Rhode Island Bent Grass</b> ( <i>Agrotis Tennis</i> ), best of all grasses for lawn where only one variety is used.....	Very scarce.	
<b>Rye Grass English</b> ( <i>Lolium perenne</i> ). Probably one of the most important and valuable of the cultivated grasses; is naturally adapted to almost any soil; matures early, and is very productive, but contains less nutrition than Orchard Grass.....	2.25	.25
<b>Rye Grass Italian</b> ( <i>Lolium Italicum</i> ). This rippens much sooner than the English Rye Grass, and is greatly preferred by cattle and greedily eaten by them, either in a green or dry state.....	2.25	.25
<b>Sweet Vernal Grass</b> ( <i>Anthoxanthum odoratum</i> ), is not valuable when sown alone, but when sown with other grasses, it becomes so because of its early growth. It also yields a delightful odor when cured for hay. 10 lbs. to the acre, mixed with other grass annuals .....	3.00	.40
<b>Tall Meadow Oat Grass</b> ( <i>Avena Elatior</i> ). As a crop to cut for hay, this is very desirable because of its early and luxuriant growth. It shoots up very quickly after being cut, and produces a thick crop of aftermath, which also makes it valuable as a soiling crop. It has been lately in demand and is much valued in the South.....	4.50	.50
<b>Timothy, Herd's Grass</b> ( <i>Phleum pratense</i> ). As a crop to cut for hay, this is probably unsurpassed. It thrives best on moist, peaty or loamy soils, and is not suited to light or sandy soils, although on such it can with care, be made to produce fair crops. Price according to market, 45 lbs. to bu...	Market Price.	
<b>Wood Meadow Grass</b> ( <i>Poa nemoralis</i> ). This grass grows well both on shady and exposed situations. 30 lbs. to the acre .....	12.50	1.35
<b>Tall Oat Grass</b> ( <i>Avena Edatior</i> ), good for dry pastures and meadows. Is much relished by sheep.....	4.50	.50
<b>Golden or German Millet</b> . This variety is a heavier cropper than the Hungarian Grass, and needs a longer season and stiffer soil. Grows from three to five feet high, stands up well, is easily cured; gives general satisfaction. Three pecks to the acre. Per bushel of 48 lbs. ....	1.00	.15
<b>Japanese Millet</b> . This wonderful Millet yields possibly more fodder than any other forage plant that requires so little to sow an acre. Frequently as high as 12 tons of green food have been obtained from an acre. It is somewhat coarse in texture, growing sometimes as high as 8 feet; it is, however, ideal for silo or hay purposes. If sown early in May, it may be cut twice in one season. It branches out at the roots, and more than 12 lbs. per acre broadcast cannot be sown to advantage. Sow any time from May 1 to June 15.	1.00	.20
<b>Hungarian Grass</b> . A valuable forage plant, succeeds well on dry, light soil; withstands the drought remarkably, remaining green when all other vegetation is parched up, and if its development is arrested by dry weather, the least rain will restore it to vigor. Sow broadcast. Three pks. to the acre Per bushel of 48 lbs. ....	1.00	.15

Prices on above subject to market fluctuations without notice.

GRASS SEEDS

These Prices are Subject to Variation.

	Per 10 lbs.	Per lb.
Blue Grass Kentucky ( <i>Poa pratensis</i> ), extra clean; does well on light dry soils; recommended for permanent pasture; it requires two or three years to form a good sod, and does not arrive at its perfection as a pasture grass until it is much older; valuable in mixtures for lawn. 14 lb. bushel.....	7.20	.75
Blue Grass Canada. Little coarser than Kentucky .....	5.50	.60
Creeping Bent Grass, Florin ( <i>Agrotis stolonifera</i> ), used for lawns, well adapted to most places .....		1.50
Crested Dogtail ( <i>Cynosurus cristatus</i> ), good for permanent pasture for sheep, is productive and early, suffers but little from dry weather, and is one of the best grasses for lawns, 25 lbs. to the acre .....	6.50	.75
Sardan Grass. Valuable for Hog in sections of drought. Sow 25 lbs. to acre grow from 4 to 7 ft. Yield 2 to 5 tons to acre .....	100 lb., \$10.00; lb., 20c	

CLOVERS

(Subject to Variation in Price).

Red Clover. Medium ( <i>Trifolium pratense</i> ). Price variable, 60 lbs. to bushel.	Market Price
Red Clover, Large or Pea Vine. Price variable .....	
White Clover. ( <i>Trifolium repens</i> ) .....	
Alfalfa or Lucerne. Requires a deep rich soil, and in such will produce several crops every season. Fifteen pounds to the acre.....	
Alsike or Swedish ( <i>Trifolium hybridum</i> ). Ten pounds to the acre.....	
Crimson or Italian ( <i>Trifolium incarnatum</i> ), sown in Autumn, it furnishes an early fodder and is excellent for soiling. Twenty pounds to the acre. Price variable.....	
Bokhara Clover ( <i>Melilotus alba</i> ), affords excellent feed for bees; it is valuable soiling plant; lasts two years. Ten pounds to the acre.....	
Yellow Trefoil ( <i>Medicago lupina</i> ) Hop clover. Fifteen pounds to the acre.....	

MEADOW AND PASTURE MIXTURES

The formation of permanent and productive meadows and pastures is of great value to farmers, and has been given thorough study by numerous experts, resulting in formulas that will give good results under the varying conditions of our climate.

It is a well known fact that a heavier and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two. Some sorts do best on high, dry soil, while others prefer plenty of moisture. Some mature so early and others so late that there is no time in the season when one sort or another is not at its best. Grass seed may be sown either early in spring or fall, from September to the middle of October in this latitude. Below we give mixtures that we are confident will give good results.

MEADOW MIXTURE FOR ONE ACRE

No. 1. On Good Land,  
Neither Too Dry nor Too Wet

Price \$14.00 for 40 lbs. Sow 40 lbs. to the acre

No. 2. For High and Dry Land.

Price \$18.00 for 40 lbs. Sow 40 lbs. to the acre

No. 3. On Wet Land

Price \$16.00 for 40 lbs. Sow 40 lbs. to the acre

PASTURE MIXTURE FOR ONE ACRE

No. 4. On Good Land.  
Neither Too Wet nor Too Dry.

Price \$16.00 for 40 lbs. Sow 40 lbs. to the acre

No. 5. On Dry Land

Price \$16.00 for 40 lbs. Sow 40 lbs. to the acre

No. 6. On Wet Land

Price \$16.00 for 40 lbs. Sow 40 lbs. to the acre

## GRAINS

All grains are selected expressly for seed, and are strictly pure and true to name.

Sold at Market Prices and Subject to Change.

### SPRING WHEA T, 60 lb. Bushel.

**Marquis Spring.** This variety has been grown with great success for a number of years in Canada, and is very highly recommended, is bearded, yields well and the kernels are larger than those of other Spring varieties .....Market Price.

**White Russian.** This variety, recently introduced, has proved very valuable in many localities in the Northwestern States. Straw of good length, strong, does not lodge. It is not inclined to rust. Heads of large size and well filled with plump kernels weighing 60 to 63 lbs. to the bushel. Has produced 40 to 50 bushels to the acre..... Market Price.

### WINTER WHEA T, 60 lb. bushel.

**Red Man.** Also known as the Seneca. This is a beardless white wheat. It proves early and hardy, has a stiff straw, yields larger crops than any other .....\$4.00 bus.

**Fultz.** A beardless amber variety, grown largely in some sections of Pennsylvania and with very satisfactory results. It is very hardy and productive, and the straw is of medium length and very strong; makes excellent flour .....\$4.00 bus.

**Red Mediterranean.** (American). This is the imported variety fully acclimated and is a standard wheat. The heads are bearded and well filled. It succeeds well in nearly all localities and ripens early .....\$4.00 bus.

### OATS, 32 lb. bushel.

**SWEDISH.** Very popular and standing well until fully ripe .....\$1.50 bus.

**RYE, 56 lb. Bushel Spring \$4.00 bus. and Winter Rye, \$2.50 bus.**

### SPRING BARLEY, 48 lb. Bushel

**Vermont Champion (two rowed), \$2 25 Bushel.**

### BUCKWHEAT, 48 lb. Bushel.

**Silver Hull.** This variety is a great improvement on the common Buckwheat. Sown at the same time it will continue to bloom longer, matures a few days sooner, and yields nearly or quite double under the same conditions.

### JAPANESE BUCKWHEAT.

Yields twice or three times as much as Silver Hull and ripens a week earlier .....\$2.50 bus.

## MISCELLANEOUS SEEDS, ETC.

Kaffir Corn or Sorghum	Per lb., 10c; 100 lbs., \$4.00
Essex Rape	Lb., 15c; 100 lbs., \$12.00
Cow Peas. For Fodder ..	Per pk., \$1.50; bu., \$5.00



## MISCELLANEOUS SEEDS, ETC.—Continued.

Canary, Best Sicily (Pharlaris canariensis) .....	Per lb., \$0.10	Rape (Brassica napus) .....	Per lb., \$0.12
Hemp (Cannabis sativa) .....	Per lb., .10	Mixed Bird Seed .....	Per lb., .10
Maw (Papaver Rhoeas) .....	Per lb., .25	Sunflower, Large Russia .....	Per qt., .10
Lettuce Seed .....	Per lb., .50	Gravel for Cages .....	Per pkg., .08
Millet (Panicum miliacedum) .....	Per lb., .15	Cuttle Fish Bone .....	Each 2c and 3c
Asparagus Rcots, Concver's Colossal and Palmetto (2 years old), .....	See Page 5		
Rhubarb Roots .....	15c each.	Horse Radish Roots .....	per 100, \$1.75
Strawberry Plants, Currant Bushes, Blackberry Bushes, Raspberry Bushes, Grape Vines and Gooseberry Bushes .....	Prices on Application		

## QUANTITY OF SEEDS FOR A GIVEN NUMBER OF PLANTS, ETC.

Asparagus .....	1 oz. to 60 ft. drill	Pole Beans .....	1 qt. to 150 hills
Beet .....	1 oz. to 50 ft. drill	Corn .....	1 qt. to 200 hills
Carrot .....	1 oz. to 150 ft. drill	Cucumber .....	1 oz. to 50 hills
Endive .....	1 oz. to 150 ft. drill	Water Melon .....	1 oz. to 30 hills
Okra .....	1 oz. to 40 ft. drill	Musk Melon .....	1 oz. to 60 hills
Onion .....	1 oz. to 100 ft. drill	Pumpkin .....	1 oz. to 40 hills
Onion Sets, small, .....	1 qt. to 20 ft. drill	Early Squash .....	1 oz. to 50 hills
Parsley .....	1 oz. to 150 ft. drill	Marrow Squash .....	1 oz. to 16 hills
Parsnip .....	1 oz. to 200 ft. drill	Cabbage .....	1 oz. to 3,000 plants
Radish .....	1 oz. to 100 ft. drill	Cauliflower .....	1 oz. to 3,000 plants
Salsify .....	1 oz. to 70 ft. drill	Celery .....	1 oz. to 4,000 plants
Spinach .....	1 oz. to 100 ft. drill	Egg Plant .....	1 oz. to 2,000 plants
Turnip .....	1 oz. to 150 ft. drill	Lettuce .....	1 oz. to 4,000 plants
Peas .....	1 qt. to 100 ft. drill	Pepper .....	1 oz. to 2,000 plants
Dwarf Peas .....	1 qt. to 100 ft. drill	Tomato .....	1 oz. to 2,000 plants

## QUANTITY OF SEEDS AND PLANTS REQUISITE TO CROP AN ACRE OF LAND

Artichokes, Jerusalem .....	3 bu.	Kale, German Greens .....	3 lbs.
Asparagus, in 12-inch drills .....	25 lbs.	Lettuce, in rows; 2½ feet .....	3 lbs.
plants, 4x1¼ feet .....	8,000	Leek, in rows; 2½ feet .....	3 lbs.
Barclay, broadcast .....	2½ bu.	Melon, Water in hills; 8x8 feet .....	3 lbs.
Beans, dwarf, in drills; 2½ feet .....	2½ bu.	Citron, in hills; 4x4 feet .....	2 lbs.
Lima, in drills; 4x4 feet .....	20 qts.	Millet, Pearl, in drills .....	5 lbs.
Pole, in hills, 4x3 feet .....	10 lbs.	Golden, broadcast .....	¾ bu.
Beets, in drills, 2½ feet .....	6 to 8 lbs.	Mustard, broadcast .....	12 to 16 qts.
Broom Corn, in hills .....	4 to 6 qts.	Oats, broadcast .....	2 to 3 bu.
Buckwheat, broadcast .....	1 bu.	Onion, in drills .....	5 lbs.
Cabbage, sown in frames .....	6 oz.	In beds for sets .....	5 lbs.
Sown in outdoor beds for trans-planting .....	10 oz.	Parsnips, in drills; 2½ feet .....	5 lbs.
Carrot, in drills; 2½ feet .....	3 lbs.	Peas Early, in drills .....	1½ bu.
Celery Seed .....	8 oz.	Marrowfat, in drills .....	1¼ bu.
Plants, 4x½ feet .....	25,000	Broadcast .....	3 bu.
Chufas, in drills, 2½ feet .....	½ bu.	Potato, cut tubers; in drills .....	8 to 10 bu.
Clover, Alsike .....	5 lbs.	Radish, in drills, 2 feet .....	8 lbs.
Red, alone .....	15 lbs.	Broadcast .....	12 lbs.
White, alone .....	12 lbs.	Pepper Plants, 2½x1 foot .....	17,500
White, with other Seeds .....	4 lbs.	Pumpkin, in hills; 8x8 feet .....	2 qts.
Lucerne or Alfalfa .....	15 lbs.	Parsley, in drills; 2 feet .....	4 lbs.
Corn, Sweet .....	8 to 10 qts.	Rye, broadcast .....	1½ to 2 bu.
Field .....	7 to 9 qts.	Salsify, in drills, 2½ feet .....	10 lbs.
For fodder .....	3 bu.	Sorghum, in drills .....	10 to 12 lbs.
Corn Salad, in drills; 10 inches .....	25 lbs.	Spinach, in drills .....	10 lbs.
Cucumber, in hills .....	1½ lbs.	Broadcast .....	30 lbs.
Egg Plants; plants 3x2 feet .....	4 oz.	Turnips, in drills; 2 feet .....	1½ lbs.
Endive, in drills, 2½ feet .....	3 lbs.	Broadcast .....	2 to 3 lbs.
Grass, Hungarian .....	¾ bu.	Tomatoes, in frame .....	4 oz.
Lawn .....	3 to 4 bu.	Plants .....	3,800
Orchard .....	2 to 3 bu.	Wheat, broadcast .....	2 bu.
Rye .....	2 bu.	In drills .....	1¼ bu.
Kentucky Blue .....	3 bu.	Clover, } together { 10 lbs. Clover	
Timothy .....	¼ bu.	Timothy. } for { ¼ bu. Timothy	
Red Top .....	3 bu.	Red Top, } one acre { 1 bu Red Top	

## HIGH GRADE FERTILIZERS

### MUZZY BROS.' POTATO MANURE

The great satisfaction this Fertilizer has given our customers, being so universal, enables us to recommend it as the Leading Artificial Manure in the Market.

#### GUARANTEED ANALYSIS

Ammonia .....	4 per cent.	
Available Phos. Acid .....	6 per cent.	Ton (12 bags) \$60.00; per bag, (167 lbs.), \$6.00
Potash .....	10 per cent.	

### BLACK HAWK MANURE

High grade general Fertilizer for all Crops.

#### GUARANTEED ANALYSIS

Ammonia .....	4 per cent.	
Available Phos. Acid .....	8 per cent.	Ton (12 bags), \$55.00; per bag, (167 lbs.), \$5.50
Potash .....	4 per cent.	

### MUZZY BROS.' SPECIAL FERTILIZER

We recommend this fertilizer for a general line of crops, and consequently the trucker and market gardener is interested in buying that fertilizer which for the least cash outlay, will bring him the best returns; as it is no longer a question, but an actual fact, that from first class material, like our special Fertilizer, the purchaser will get the best results.

Equal to Ammonia .....	2 per cent.	
Available Phos. Acid .....	10 per cent.	Ton (12 bags), \$40.00; per bag, (167 lbs.), \$4.50

### FINE GROUND BONE

AN EFFICIENT AND PERMANENT DRESSING FOR LAWNS; ODORLESS  
GUARANTEED ANALYSIS

3 per cent. Ammonia.	50 per cent. Bone Phosphate of Lime.	
5-pound bag for space 20x25 feet.....		.40
10-pound bag for space 20x50 feet.....		.70
25-pound bag for space 25x100 feet.....		1.25
50-pound bag for space 50x100 feet.....		2.00
100-pound bag for space ¼ acre.....		3.50
1 ton .....		50.00

### PURE, PULVERIZED SHEEP MANURE

A pure, natural and nutritious manure. Immediate and lasting in effect. Excellent for mixing with soil of the greenhouse plants. In the vegetable garden it promotes a rapid, steady growth until maturity. It makes a rich Liquid Manure.

**Quantity Required.** For garden and field crops. 1 to 2 tons per acre—half before plowing, the balance before harrowing. For top dressing grass; use 1 ton per acre in fall or early spring.

Per ton of 2,000 lbs. ....	\$45.00	1 lb. ....	.10
100 lbs. ....	3.00	5 lbs. ....	.40
50 lbs. ....	2.00		
25 lbs. ....	1.25	In packages of 10 lbs. ....	.75

### WORM EXTERMINATOR FOR GOLF PUTTING GREENS AND LAWNS.

1 Ton .....	\$115.00	100-lb. Bags .....	\$7.00
-------------	----------	--------------------	--------



HIGH GRADE FERTILIZERS—Continued.

**ALPHANO HUMUS,**  
(Chemicalized)

Decayed vegetable matter for lawn, Rhododendron, bulbs, flowers, etc. Good top dressing for the spring.

Price, per ton.....\$25.00      Per 100 lbs. .... \$2.00

**NITRATE OF SODA**

A fertilizer for all crops. It is very quick in action, and hastens maturity of crops fully two weeks. Being extremely soluble, it should not be applied until the crops are above the ground when 100 pounds per acre should be sown mixed with wood ashes. Does not exhaust the land.

200-lb. bag, \$10.00. 1 Ton, \$90.00.

**ACID PROSPHATE**

14 to 16 per cent. Available Phosphoric Acid.

This is one of our Fertilizers which is used in the largest quantity in most of our mixtures as a base.

Per ton ..... \$28.00      Per 200 lbs. .... \$3.75

**Pulverized Limestone**

These are high calcium limes and are adapted for use on all soils that require sweetening.

Most lawns and gardens require an application of lime in some form.

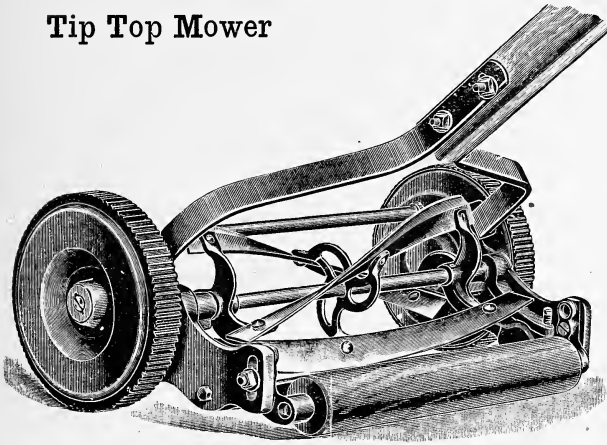
The Ground Limestone is recommended for top dressing lawns and for all farm crops.

Leguminous crops such as Alfalfa, Clover, Peas and Beans in particular require applications of lime.

**Ground Limestone** packed in 100 lb. sacks, price \$1.25; \$15.00 per ton.

# LAWN MOWERS

**Tip Top Mower**



**TIP TOP MOWER**

**Our Leader**

**Best Mower for the Price**

12-inch .....	\$6.50
14-inch .....	7.00
16-inch .....	7.50

**NEW ENGLAND  
MOWER**

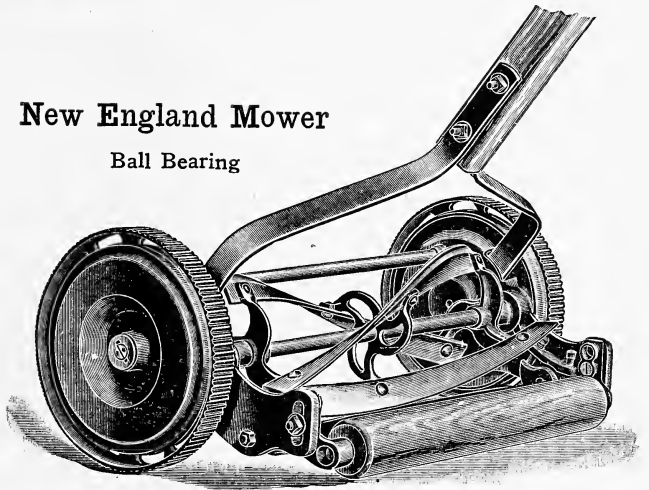
**Ball Bearing**

**A High Grade Mower  
Sold at a Low Price**

14-inch .....	\$8.50
16-inch .....	9.00
18-inch .....	9.50

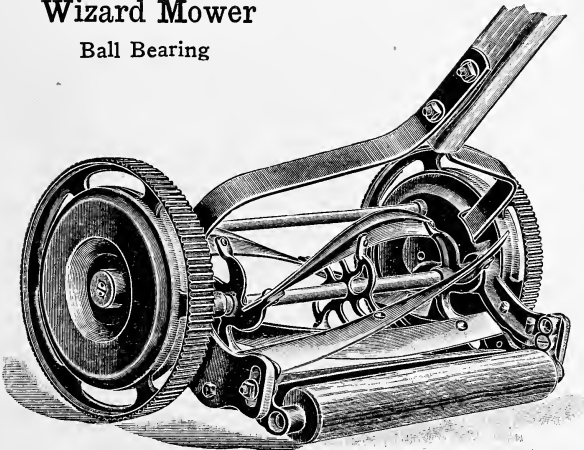
**New England Mower**

**Ball Bearing**



**Wizard Mower**

**Ball Bearing**



**WIZARD MOWER**

**Ball Bearing**

**Strictly High Grade**

14-inch .....	\$10.50
16-inch .....	11.00
18-inch .....	11.50

# The Philadelphia Line

## Paterson Mower

12 inch .....	\$7.89
14 inch .....	8.48
16 inch .....	8.98
18 inch .....	9.48

## Muzzy Mower

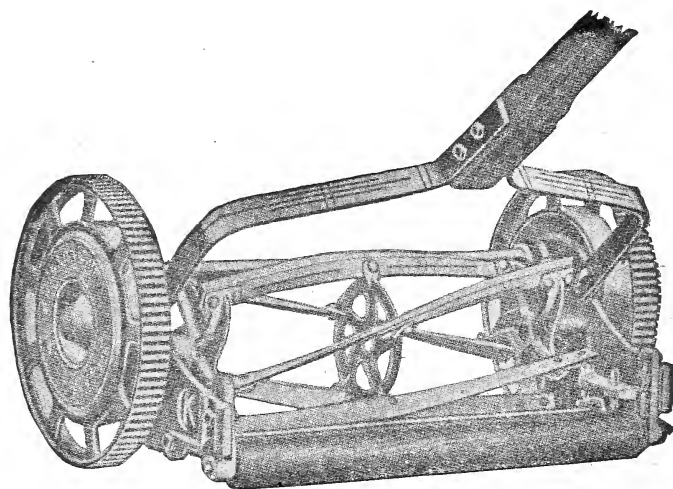
14 inch .....	\$10.48
16 inch .....	10.98
18 inch .....	11.48

## Muzzy High Wheel

14 inch .....	\$12.00
16 inch .....	12.50
18 inch .....	13.00

## Independence Roller Bearing

14 inch .....	\$15.00
16 inch .....	16.00
18 inch .....	17.00



## Style K.

5 blades, 10 inch wheels.  
Best Mower made

### Prices:

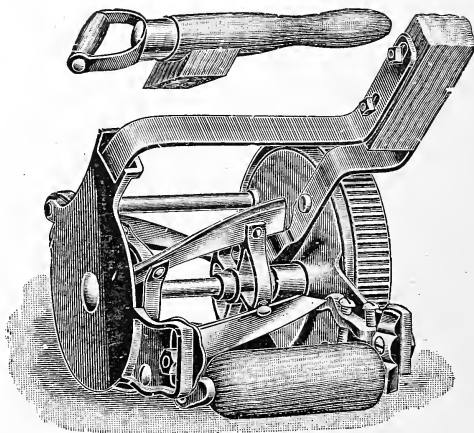
14 inch .....	\$17.00
16 inch .....	18.70
18 inch .....	20.40
20 inch .....	22.10

## LAWN TRIMMER

For trimming around walks, flower beds, trees, posts, monuments and shrubbery, and all places that cannot be reached with any lawn Mower.

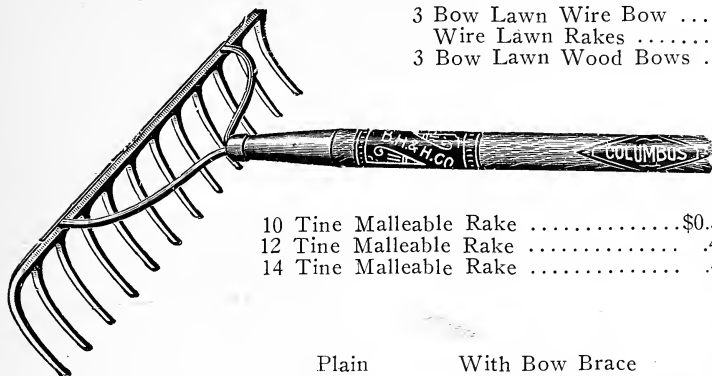
Cuts within  $\frac{1}{4}$  of an inch of the edge.

Price, \$8.00.



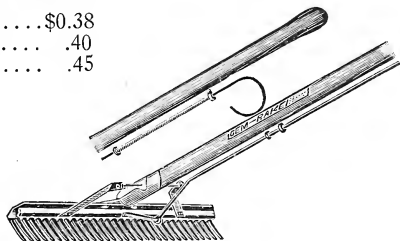
**RAKES AND SCYTHES****LAWN RAKES**

3 Bow Lawn Wire Bow .....	\$ .75
Wire Lawn Rakes .....	1.00
3 Bow Lawn Wood Bows .....	.90



10 Tine Malleable Rake .....	\$0.38
12 Tine Malleable Rake .....	.40
14 Tine Malleable Rake .....	.45

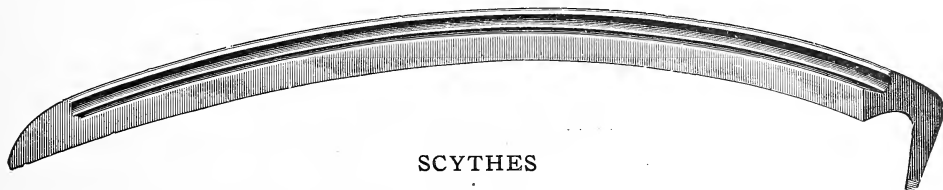
	Plain	With Bow Brace
12 Tine Cast Steel Rake....	\$0.80	\$0.95
14 Tine Cast Steel Rake....	.85	1.00
16 Tine Cast Steel Rake....	.90	1.05

**GEM DANDELION RAKE**

is a perfect dandelion exterminator. The curved teeth, riding along on the sod, just catch the heads and clip them off. The grass is not torn up, as by ordinary rakes, and the juncture of the teeth, though sharp enough to cut the stalks, does not permit them to jam and clog up the implement.

Dandelions come up between mowings. It is not necessary to cover the whole lawn to get them with a Dandelion Rake.

When a lawn mower is used to destroy dandelions, it is necessary to rake up the heads afterward. That means—if an ordinary rake is used—constant bending over to clean off the accumulated litter, from which seeds drop on the soil.

**SCYTHES**

Blood's Ribbed Back. Nothing better.....	\$1.75
Blood's Plain Back, Polished.....	1.75
English Lawn. An elegant tool for fine work.....	2.75
Bush Scythes. For rough work.....	2.00
Snaths. Patent, Plain and Bush, Scythe Stones and Rifles in variety.	
Floral Sets, consisting of Hoe, Spade and Rake.....	.25c 39c 75c 1.00 1.50 2.50
Trowels .....	.10c 15c 25c 40c
Strawberry or Pruning Forks.....	.10c 15c 25c 35c
Fruit Pickers. Do not bruise fruit.....	35c
Excelsior Weeder.....	12c
Grafting Wax.....	¼ lb., 15c; ½ lb., 25c; 1 lb., 40c

**PRUNING SHEARS**

75c, 98c, \$1.50, 1.98 and 3.00

Dibble, Iron or Wood handle .....65c

This tool is indispensable for planting small roots and plants; once tried the gardener will never dispense with it.



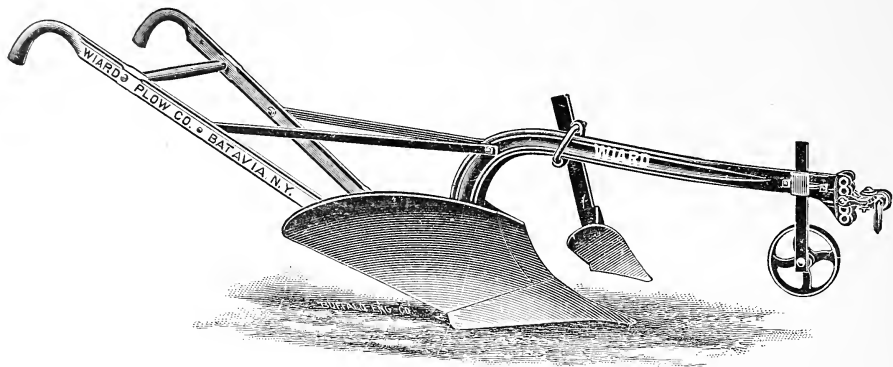
Garden Syringe, 98c and up.



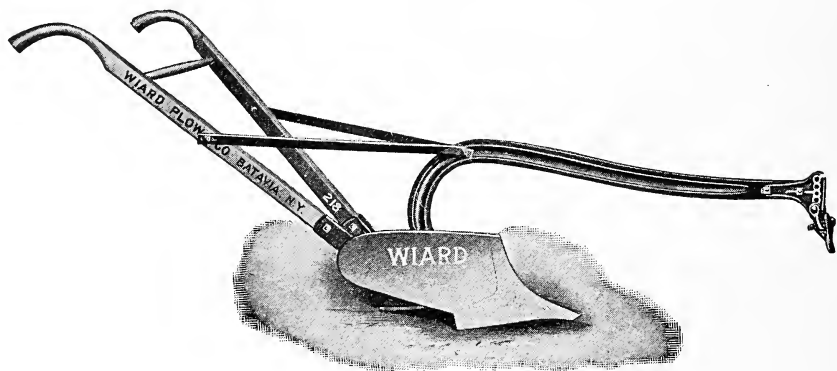
Pruning Saws, 18 in...\$1.39

Grass Hooks 40c, 60c and 98c.

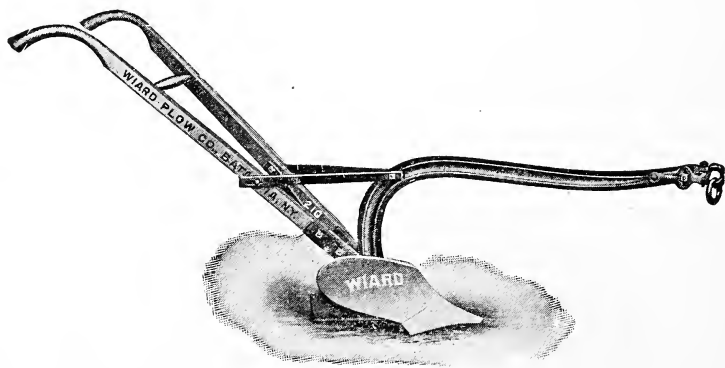
# THE WIARD PLOW



No. 604—Right hand with Chillea Moldboard, Grooved Steel Beam, light, but very strong.  
Weight, 106 lbs. Full rigid..... \$20.75



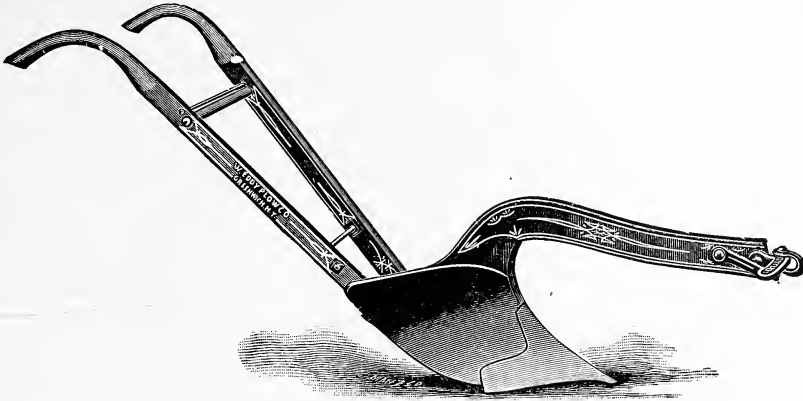
No. 218—Light Tow Horse, Chilled Moldboard, Sloping Landslide, with clevis only. Weight,  
99 lbs. Price ..... \$14.25



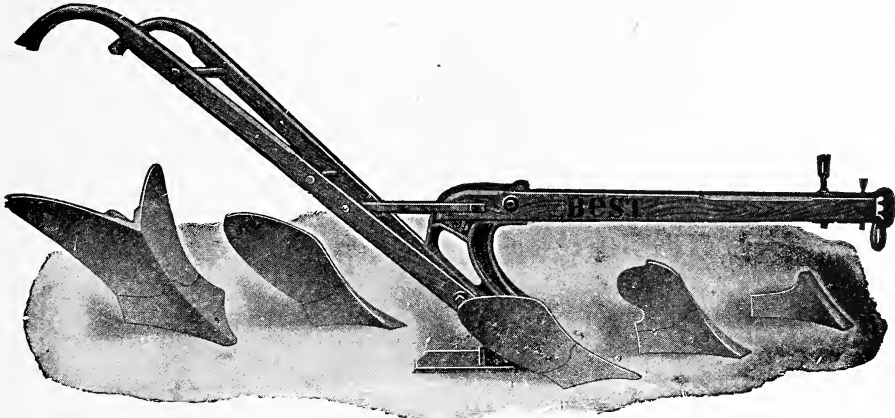
No. 210—New 1-Horse Plow, Steel Beam, very fine with Clevis only .....\$ 8.00  
No. 72—Light Two Horse, Steel Beam, Right Hand, full rigged ..... 21.25  
No. 62—Small, One Horse, Wood Beam, with Clevis only ..... 6.50  
No. 13—Light One Horse, Wood Beam, with Clevis on'y ..... 8.75  
No. 91—Two Horse, Steel Beam, Right hand, full rigged ..... 22.25  
No. 10—One Horse, Wood Beam, Right hand, Chilled Moldboard, Adjustable Handles for  
height and running close to rows, with Clevis only ..... 11.00

REPAIRS FOR ABOVE PLOWS ALWAYS IN STOCK.

- No. 115x—Swivel, Light Two Horse, Charcoal Iron Beam, Full Rigid with Colter and Adjustable Clevis .....\$23.25  
 No. 21—Swivel, One Horse, Cast Moldboard, Wood Beam, Clevis and Wheel.....\$14.00



- No. 6—One Horse, Cuts 10 inches, Weight 50 lbs. ....\$9.50  
 It has Clevis that permits horse to walk in furrow. An excellent Plow. Low in price, Chilled Iron. Landslide chilled on bottom; is very strong and convenient.



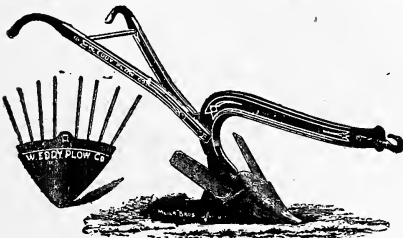
### THE BOSS PLOW

This is the best one horse convertible Plow ever sold for the use of market gardeners and farmers generally. By changing the Moldboards and Shares that come with the Plow, the purchaser actually has four plows in one. Price complete .....\$9.98

No. 1½ Moldboard and Share makes a large one horse Plow.

No. 2½ Moldboard and Share making a medium sized one horse Plow, a cabbage Moldboard and Share making a complete Cabbage Plow, and by using the Plow without the moldboard with the small Share bolted to the standard, makes a superior Plow for working among cabbage, strawberries, etc.

### Mitchell Potato Digger and Shovel Plow Combined, \$13.00



- Price with wings only .....\$9.90  
 Potato Digger .....\$4.50

This implement should be in the hands of every practical farmer, doing its work easily and in the most perfect manner. By the changing of one bolt it may be converted into a Shovel Plow or Potato Digger. The fingers are adjustable, being held in position by the plow point. Thus in case of breakage, a new part may be inserted without the expense of a whole new head. The fingers, points and wings are of steel, rendering it light, strong and durable.

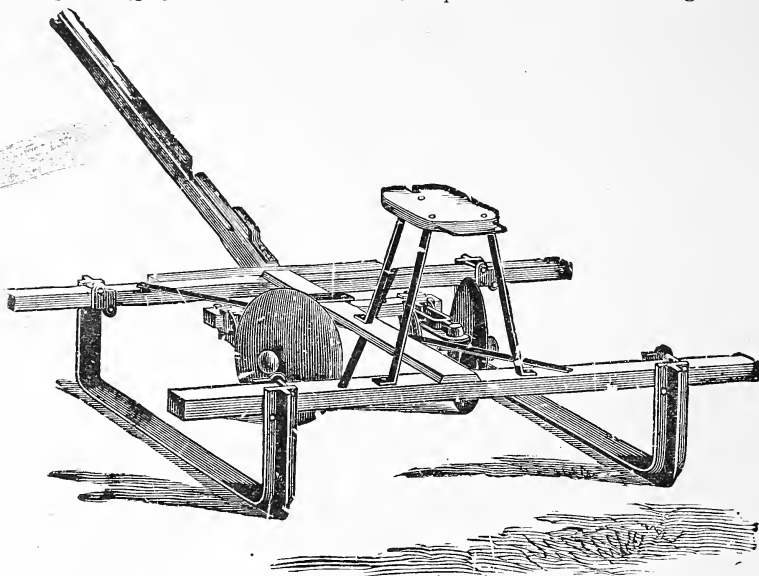
## Darnell's Patent Furrower and Marker

In presenting the numerous merits of this invaluable little implement we would be glad to draw a comparison with another of its kind, but we have seen or heard of nothing but the ordinary scratch sleds which made a mere mark as a guide for the plow which follows, thus increasing the work instead of lessening it.

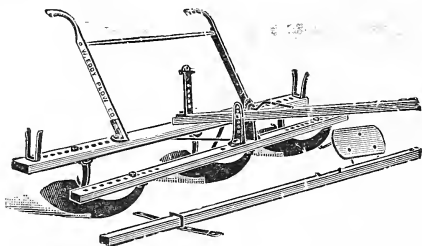
We have a genial ever-borrowing neighbor, however, with whom we might compare notes, and we will just bring him forward with his plow which he is inclined to think good enough yet. We think you will not fail to notice the difference.

We ride while he walks. We bring into requisition the services of our boy, if busy ourselves, while nothing short of a man, and a good one, too, can handle the plow.

We open two furrows while he opens one in clean ground, and do it better. 5 ft. 6 in. Price \$27.00.



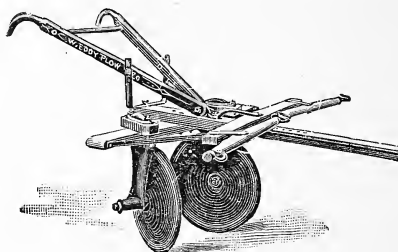
## The Eddy Improved Marker      Eddy's No. 10 Disc Hoe and Coverer



Price ..... \$17.50

Three-tooth with gage, handles and pole ..... \$18.50

Two tooth with handles and thills, \$14.50

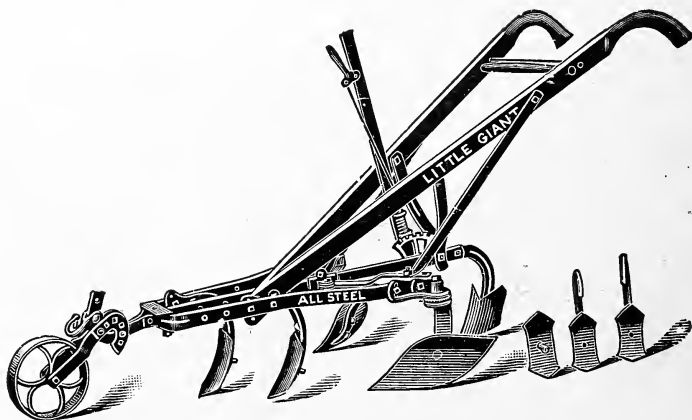


Price ..... \$17.48

## Horse Hoe and Cultivator Combined

With Expanding Lever

Price Complete \$9.98

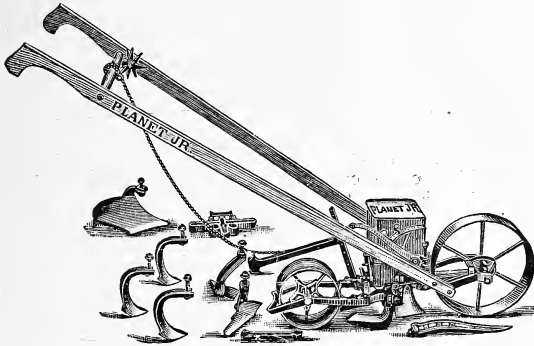




# Planet Jr. Garden Tools



The New "PLANET JR." Catalogue is the handsomest, best and most instructive book ever issued on a similar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.



## NO. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE CULTIVATOR AND PLOW.

Price, Complete, \$19.00. Weight, 50 lbs.  
As a Seeder Only, \$15.00. Holds  $2\frac{1}{2}$  qts. seed

This accurate, durable and easy-running tool sows all garden seeds from the smallest up to peas and beans in hills, 4, 6, 8, 12 or 24 inches apart, or in drills at the proper thickness and depth; rolling down and marking out the next row all at one passage. No time is lost. No seed is wasted. By removing the seeder parts and substituting the tool frame, you have a first-class single wheel hoe with a set of specially hardened steel tools, the best made for hoeing, plowing, cultivating, opening furrows, hilling, etc.

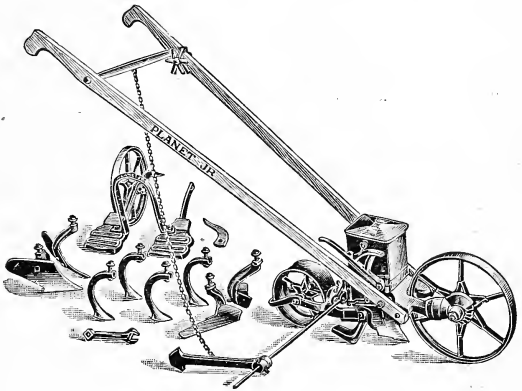
## NO. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR AND PLOW.

Price \$22.50.

Weight packed, 61 lbs. Holds  $2\frac{1}{2}$  qts. of Seed

This combination is intended for gardeners who have a large enough acreage in crops for a double wheel hoe to be used to good advantage, and yet prefer not to buy seeders and wheel hoes separately; and for the family garden where a double wheel hoe is preferred.

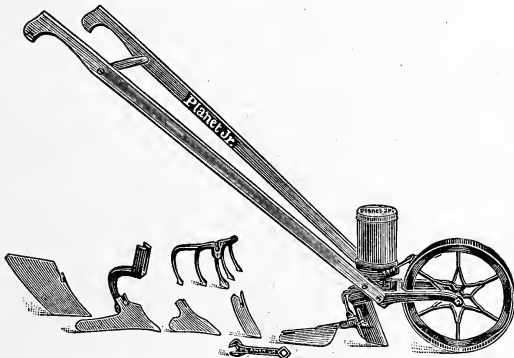
As a seeder it is practically the same as the Planet Jr. No. 4, and as a wheel hoe has the same steel frames and cultivating attachments as the Planet Jr. No. 12 Double Wheel Hoe.



## NO. 31 PLANET JR. COMBINED DRILL SEEDER AND SINGLE WHEEL HOE.

Price Complete \$12.50. Packed weight 30 lbs.

No. 31D. As a Drill Seeder Only, \$10.00.  
Packed weight, 22 lbs.

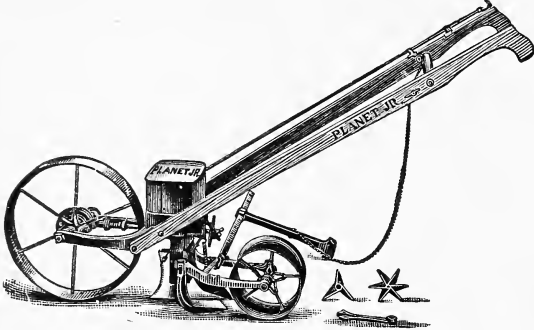


This new combined tool is of great value to thousands of gardeners who have never felt able to own, either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision in a narrow row from  $\frac{1}{4}$  to 2 inches deep. Quickly changed to a splendid wheel hoe. A special machine for the small gardener at a price he can afford to pay.

# Planet Jr. Garden Tools



These Wheel Hoes are the highest type of their class. They have a great variety of attachments which adapt them to a large variety of work, and there is scarcely any garden cultivation they will not do.



## NO. 3 PLANET JR. HILL AND DRILL SEEDER.

A favorite among onion growers, market gardeners and seedsmen.

The 15-inch driving wheel is steel, with heavy forged spokes, making the tool light and easy running.

The opening plow is V-shaped, adjustable for depth, leaving the seed in a very narrow line, making close cultivation easy. The index is in plain view at top of handles and graduated for hills or drills.

The flow of seed is instantly started or stopped by the cut-off rod. No seed wasted at end of rows. Sows in large or small quantities in drills or in hills, 4, 6, 8, 12, 24 inches apart. Force feed.

Holds 3 qts. of Seed. Weight packed, 43 lbs.  
Price, \$18.00.

## NO. 12 COMBINED DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR AND PLOW

Straddles crops till 20 inches high, then can be worked between rows with 1 or 2 wheels.

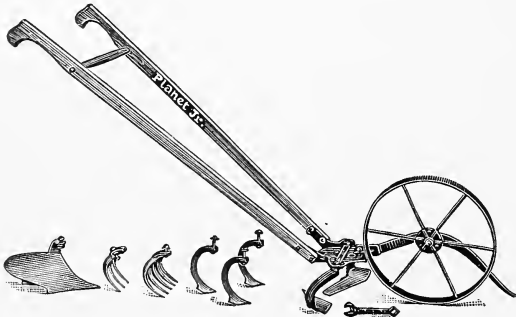
The hoes are wonderful weed killers and leave the ground almost level. The cultivator teeth are of improved design and admirable for deep work. The plows are invaluable for opening furrows for manure, etc.; for covering and for plowing to or from the crop.

Price, \$12.00.

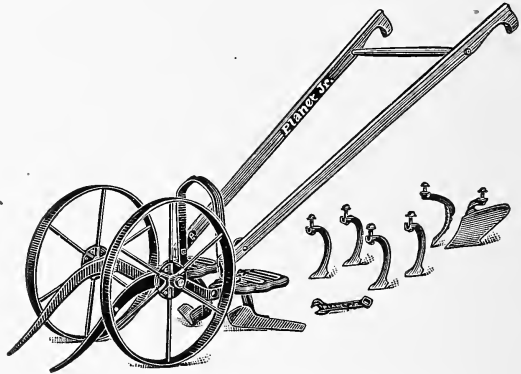
## NO. 13 DOUBLE AND SINGLE WHEEL HOE.

Price, \$8.50. Weight, 28 lbs.

This tool is the No. 12, with 6-inch hoes only, these being the tools that are most used.



No. 16. Price \$9.75. Weight, 26 lbs.  
Steel Frame. 15-inch Steel Wheel.



No. 12. 14-inch steel wheels. Steel frame.  
Price, \$12.00. Weight, 33 lbs.

## NO. 16 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW \$10.98

Nos. 16, 17 and 18 have the same steel wheels, frames and handles, but the attachments sold with each vary.

The handles are adjustable in height. The frame is steel, convenient and strong with quick change device by which to exchange the tools without removing the nuts.

## NO. 17 PLANET JR. SINGLE WHEEL HOE.

Price, \$8.25. Weight, 24 lbs.

The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work.

## NO. 18 SINGLE WHEEL HOE.

Price, \$5.75. Weight, 19 lbs.

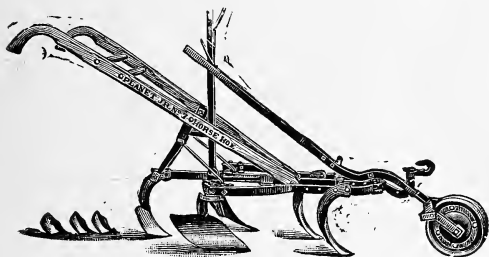
This has one pair of 6-inch hoes only—the tools that are most constantly useful throughout the season.



# Planet Jr. Tools



No other cultivating machine is so widely known as the Planet Jr. Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

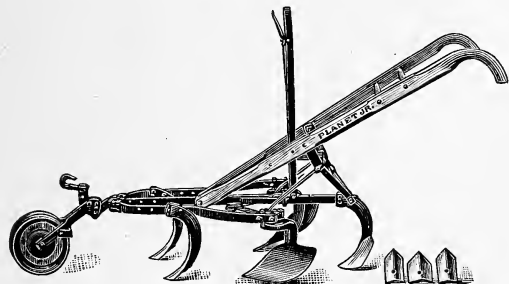


Price, \$18.00. Packed weight, 77 lbs.

## NO. 7 PLANET JR. COMBINED HORSE HOE AND CULTIVATOR.

Steel Wheel.

Opens and closes furrows, hoes right up to the plants without danger of injury, throws dirt to or from the row and throws back from centre again. Adjusts for any width. The teeth, made of beveled steel, specially hardened, retain their cutting shape and outwear anything made. The steel wheel won't clog. The handles adjust up, down or sidewise.



Price with Steel Wheel, \$16.50.

## NO. 9 PLANET JR. COMBINED HORSE HOE AND CULTIVATOR.

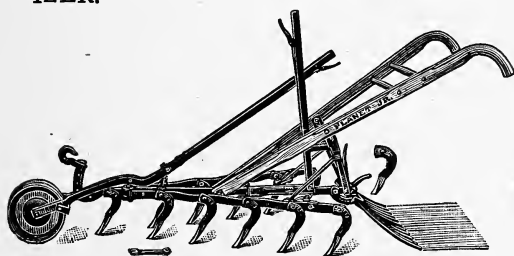
Weight packed, 70 lbs.

This Horse Hoe is identical with No. 7, except that it has a plain wheel instead of lever wheel. It has the high frame, patented hollow steel standards, steel wheel, patent lever expander, and hollow steel wheel arms.

This tool has become popular because of its strength and lightness, easy change of width, and while not so handy as a tool with a lever wheel, it is a favorite.

The New Steel Wheel, having no spokes, will not clog with corn stalks, stones or other trash, and little or no sand or dirt can be carried up on the inside of the rim to drop on the bearings.

## PLANET JR. TWELVE-TOOTH HARROW, CULTIVATOR AND PULVERIZER.



No. 90, Complete, with Steel Wheels, \$19.50.  
Weight packed, 74 lbs.

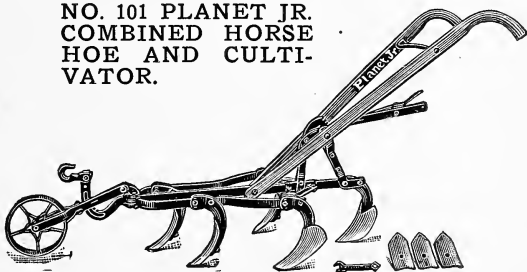
No. 90-B, Without Pulverizer, \$16.25.

No. 90-D, Without Pulverizer or Wheel, \$12.50.

No. 91, with Steel Wheel, \$14.50.

Gardeners cultivate better than formerly and find it pays. The chisel-shaped teeth on this tool go as deep or shallow as you like, close to row, without injuring plants, cut out all weeds, stir the soil and mellow and fine it as with a garden rake. Any width from 12 to 32 inches. A special favorite with strawberry and tobacco growers, market gardeners, truckers and small fruit growers.

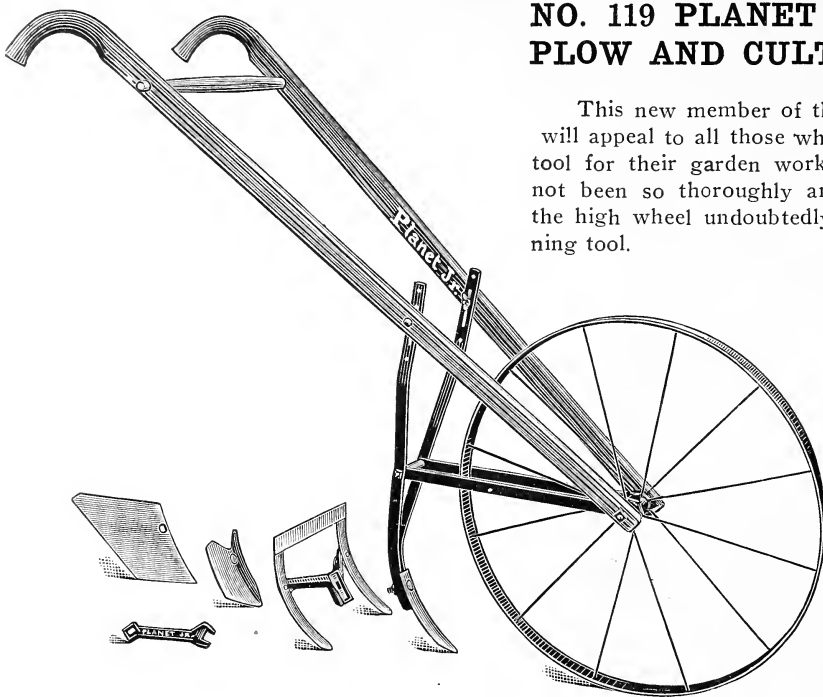
## NO. 101 PLANET JR. COMBINED HORSE HOE AND CULTIVATOR.



Price, \$10.98. Weight packed, 60 lbs.

This admirable tool is new for 1916. The expander lever, instead of standing perpendicular, slants backward between the handles, so it can't get bent or broken, and won't injure crops under cultivation. Its weight adapts it particularly to use in light land, but it is strong enough for use everywhere, and is so simple in construction and has so few parts, it can't get out of order. The cultivator teeth are made of high carbon, beveled steel, and will retain their shape. The turning shovels are of special design, of elegant proportion and useful in connection with the shovel steel in throwing furrows, and afterwards covering them, and for plowing and hilling much or little as desired.

## NO. 119 PLANET JR. GARDEN PLOW AND CULTIVATOR

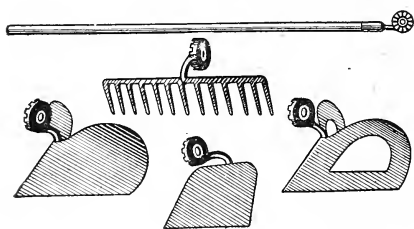


This new member of the "Planet Jr." family will appeal to all those who prefer a high wheel tool for their garden work. Where the soil has not been so thoroughly and carefully prepared, the high wheel undoubtedly makes an easy running tool.

Price \$5.75.

## Firefly Plow - - - \$4.25

### WITH THE SCHOENER GARDEN TOOLS YOU CAN



RAKE, HOE, PLOW, CULTIVATE, LIST, PULVERIZE, MAKE SEED BEDS, COVER FURROWS

With one strong handle and our three different hoe blades, and the adjustable all-purpose rake, you have a simple, practical garden tool for every need, which can be instantly changed for quickest and best results for the kind of work you have to do. And best of all, no more agonizing backaches, because you can always work in the natural standing position.

By means of the Schoener patented adjustable socket the hoe blades and the rake can be quickly and firmly set at any angle desired: You can attach any of the four tools to the same handle in a few seconds. That is convenience and economy.

Until you actually use the Schoener Handy Garden Tools, you can't realize how much more easily your work is done by being able to set the blades in any position.

Price, \$3.75



Six Tine Manure  
Fork,  
Strapped, \$1.75.



Five Tine Manure  
Fork,  
Strapped, \$1.48.



Four Tine Spading  
Fork,  
Strapped, \$1.25



Five Tine Spad-  
ing Fork,  
Strapped, \$1.85.

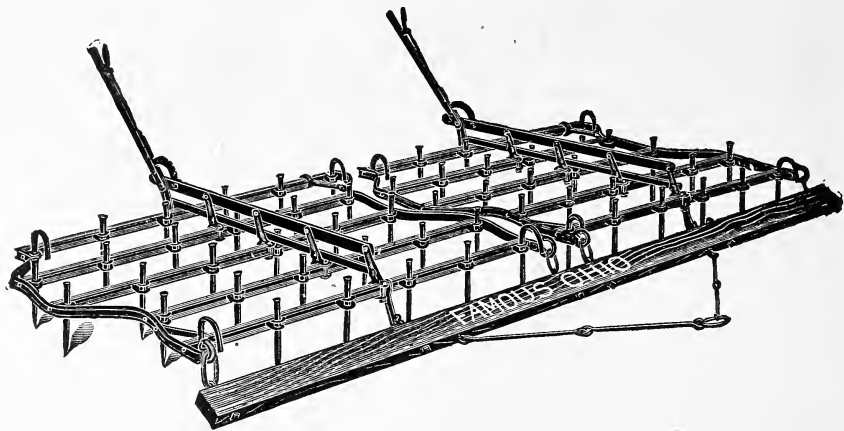


Two Tine Hay Fork, 4 1-2 ft. Handle, 60c.



Three Tine Hay Fork, 5 ft. handle, Strapped, \$1.10. 5 1-2 ft. handle, Strapped, \$1.25.

OHIO SPIKE TOOTH HARROW - 60 Teeth



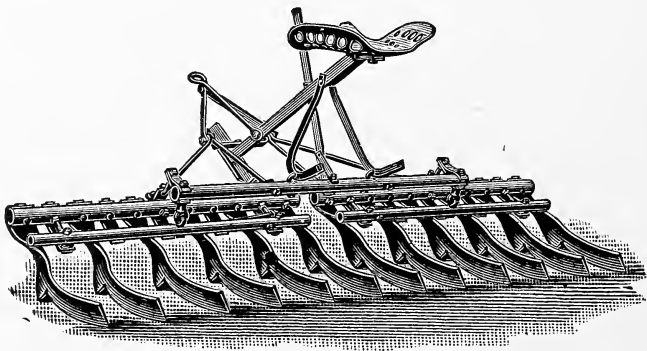
The U-bars, channels, oscillating bars and teeth, are made of high carbon steel, precluding all possibility of bending. The channels, being placed at the ends of the U-bars, prevent them from catching on obstructions as is frequently the case with the open end harrow. Strong and well made but carrying no superfluous weight Corner braces, oscillating castings and lever castings of malleable iron. Made in one 30 tooth section, and with  $\frac{5}{8}$  teeth, \$13.48, or in Two 30 tooth sections with  $\frac{5}{8}$  teeth, \$25.00.

THE "ACME" DISC HARROW

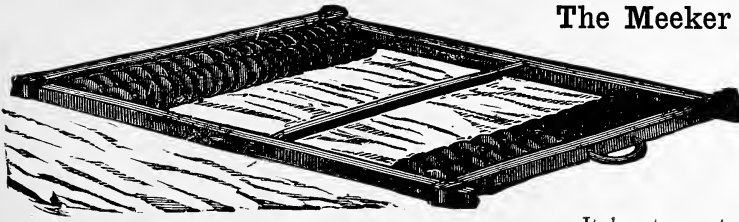
The "ACME" Disc Harrow is a worthy new member of the famous "ACME" Tillage Line. It combines the best features of standard disc harrow construction with exclusive new features that lighten the draft and improve the quality of work performed. Note the offset gangs; they entirely do away with the middle ridge or "comb." Every inch of surface is cut over. The discs are of special shape, giving increased pulverization and a lighter draft. The end thrust on the gangs is received on ball bearings.

10 Disc, 18 Dia. 5 feet.....	\$70.00
12 Disc, 16 Dia. 5 feet .....	75.00

ACME PULVERIZING HARROW



1 Horse .....	\$28.00
12 Disc, 16 Dia. ....	\$18.00



## The Meeker Smoothing Harrow

Perfect Harrow and a Perfect Land Roller Combined

This harrow has become a great favorite among all classes of farmers and market gardeners in all parts of the country.

It has two sets (four) of rollers containing 58 steel disks.

These disks grind all lumps and save the work of raking, and also mash stone below the surface better than any field roller, leaving the land smooth and level.

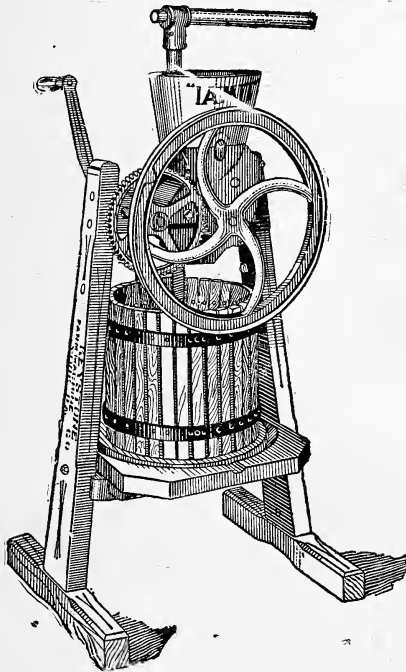
The disks of one roller work between those of the other, preventing clogging in damp soil. The board in the center is set at an angle, is adjusted up or down and serves as a leveler.

Regular size, 6 ft. 8 in. by 6 ft. with 8 in disks, \$36.00. Weight, 200 lbs.

## 5 Prong Cultivator-Hoes and Weeders

are among the most modern tools for garden and flowers. They are light and strong and cultivate closer to plants without injuring them than any other kind of implement, leaving the soil level, loose and untrampled.

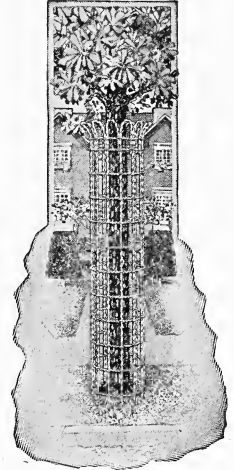
Cost but little more than the common hoe—accomplish much more and better work with less labor. \$98.



## Tree Guards

Made 6 feet high of heavily galvanized wire, in 8, 10 and 12 inch diameters \$1.75, \$2.00, \$2.50.

Ready for setting up by clasping the hooked ends. Furnished with spiral spring, which attaches to tree and prevents rubbing or bruising of the bark. Protects without shading or otherwise injuring the tree.



## THE "I AM IT" CIDER MILL

A combined Mill and Press with geared cylinder and adjustable concave, so that grinding can be done, as desired either coarse or fine. It will grind apples at the rate of one-half bushel per minute. It is a Self Feed—you need not poke the apples to the grinding disc. Price, \$30.00.

### CIDER PRESSES

Diameter of Tub.

No. 1 10-in. ....	\$8.50	No. 2½ 13½-in. ....	\$12.00
No. 2 12-in. ....	9.50	No. 3 15-in. ....	16.00

### CIDER MILLS

Junior .....	\$33.00
Medium .....	43.00
Senior, 1 tub .....	50.00
Senior, 2 tub .....	55.00

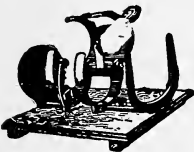
### APPLE AND GRAPE GRINDERS

No. 11 .....	} Prices on Application
No. 22 .....	
Wizard .....	

## Acme Asparagus Buncher

A greatly improved pattern with knife guide and adjustable head piece for regulating the length of the bunch. This is the latest pattern, 1907 patent.

Price ..... \$3.50.





# CYCLE BALL-BEARING STEEL FRAME GRINDSTONE



## Solid Steel Frame With Seat

Stone 19 to 22 inches, 2 to 2¼ inches thick. Best Quality Berea Grit. Front legs formed of one piece heavy steel angle. Rear legs formed of one piece heavy steel angle. Upper frame is constructed to form a brace for legs, making most rigid frame possible. Built on up-to-date mechanical principles.

Weight 85 lbs.

Price Richards Cycle.....\$8.50

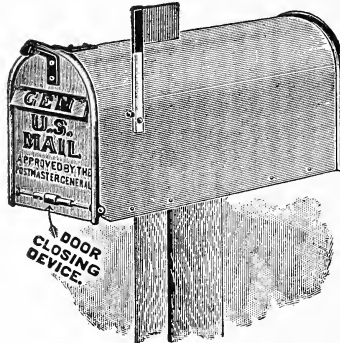
Price with Pipe Frame..... 9.50

# RURAL GEM NO. 4, With Self-Closing Door

Approved by Postmaster General

## DESCRIPTION.

Made from 22-ga. galvanized steel; absolutely storm-proof; the door is hinged at the bottom and yet is kept constantly closed by a spring hinge—cannot carelessly be left open nor blown open by the wind; has a large flag, visible for a long distance and easily operated; has inside



letter and penny holder; has a drop-letter hole in door; has substantial steel padlock-hasps; words "U. S. Mail" and "Approved by Postmaster General" are embossed in door and will remain as long as the box lasts; finished in weather-proof bronze fully one inch taller than most boxes of this style .....\$1.75

## Canal Barrows

Bolted Woodwheel..\$4.50

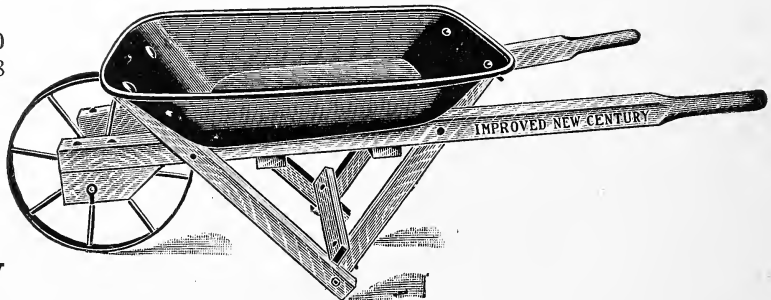
Bolted Steel wheel..\$4.98

## Improved NEW CENTURY

Steel Tray and  
Steel Wheel

## WHEELBARROW

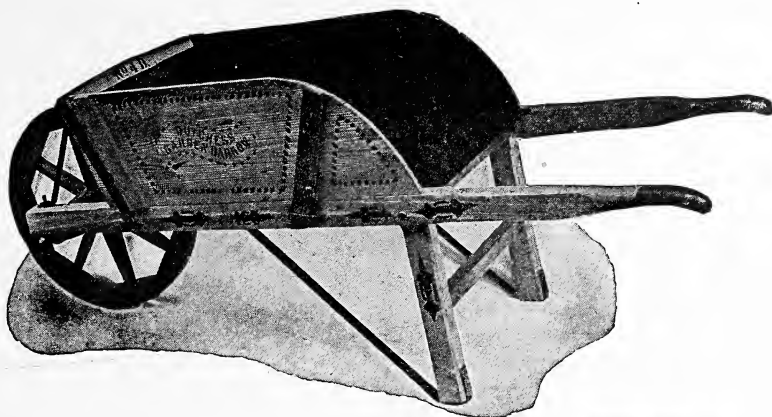
Weight 42 lbs.



A First-Class, well-made steel-wheel Wheelbarrow, with ½ inch steel rod rolled in edges of tray. Wood frame made of well-seasoned lumber, well bolted together, also to tray. While the tray of this Barrow is a trifle lighter than our regular steel Barrow, it is good strong Barrow, and sold at a reasonable price, not very much more than a common wooden canal barrow. TRY THEM.

Price \$7.50

## DUTCHESS BOLTED GARDEN BARROW



	Wood Wheel	Steel Wheel
No. 2 B.....	\$6.48	\$7.48
No. 3 C. Medium size.....	7.84	8.48
No. 4 D. Large size.....	8.48	9.48
No 5 E Extra Large.....	9.48	10.48

## DUNHAM ROLLER BEARING LAWN ROLLER

Water Filled

Length and Weight precisely as listed.

Rollers are smooth on face and aluminum finish, outer edges rounded to avoid cutting up the lawn.

Diameter Length.

No.	Inches	Inches	Sections	Pounds	Price
	12	24	1	250	\$16.50
W. B.	18	24	1	330	\$20.00
W. B.	24	24	1	440	\$23.00



## MUZZY BROTHERS' HOUSE PAINT

These paints are manufactured by experienced and practical workmen from compounded materials of intrinsic value as pigments, which are thoroughly mixed and ground together by improved machinery, producing a paint possessing superior durability, covering capacity and uniformity of shade. We feel confident in stating that our Mixed Paints are cheaper to the consumer than white lead, because of their great spreading and covering capacity.

The colors are arranged on a card to show the most beautiful and durable shades for House Painting. In general, two tints or tones of the same color produce the best effect. The body color should generally be a light tint, but for larger residences, hotels, etc., a medium color for the body, with a light tint for trimmings, will create pleasing results.

\$3.50 per gallon.

## Insecticides and Remedies for Plant Diseases

**White Hellebore.** An excellent remedy against currant worms, rose slugs, caterpillar, etc. Can be used either dry or in water;  $\frac{1}{4}$ -lb., 25c;  $\frac{1}{2}$ -lb., 40c; 1-lb., 65c.

**Fish Oil Soap.** One of the most effective agents used for destroying scale bug, plant lice and all other insects injurious to vegetation.

Price, 1-lb. box, 30c.

**Lime and Sulphur Solution.** For San Jose scale, 1 gal. makes 15 by adding water. 1 qt., 50c; 1 gal., \$1.15; 5 gal. \$4.50;  $\frac{1}{2}$  bbl. (30 gal.) @ 35c; 1 bbl. (50 gal.) @ 30c; gal. Dry—1 lb. @ 35c; 5 lb. @ 30c; 10 lb. @ 28c; 25 lb @ 25c.



**CATTLE CONTENT.** It is a thorough disinfectant and germicide. Protects horses and cows from the torture of flies. The **Lightning Insect Exterminator No. 1** discharges the preparation in a fine, broad spray, without waste and using very little. Fifty cows can be sprayed in a few minutes. Price .....\$1.50 per gallon

### ARSENATE OF LEAD

#### Paste

Its great advantages are that it adheres well to the foliage and spraying does not have to be repeated, as it does not readily wash off by rain. 1 lb., 35c

#### Dry

1 lb. .... 40c

**PLANTLIFE.** The Best Insecticide on the Market. Destroys Mealy Bug, Brown and Green Scale, Black and Green Fly Thrips, Red Spider, etc. 1 lb. 20c.

**BLACK-LEAF 40.** A concentrated solution of nicotine sulphate; an excellent spray for black aphides and sucking insects of all kinds. Dilutes one part to 900 or 1,000 parts of water, according to treatment. Full directions on each package, 1-oz. bottle 25 cts., ½-lb. tin \$1.25, 2 lbs. \$3.50, 10 lbs. \$13.50.

**BORDEAUX-ARSENATE OF LEAD.** A combination in proper proportions of the standard insecticide and fungicide remedies, thus killing insects and eliminating fungus plant diseases at one spraying and accomplishing the objects in half the time required to spray on separately. Paste, 1 lb., 35c.; 5 lb., 30c.; 10 lb., 25c.

**BORDEAUX MIXTURE OR FUNGIROID**—For all fungous diseases, such as mildew and the various rots of the grade. Full directions on label. Paste, 1 lb., 30c.; 5 lbs., 28c.; 10 lbs., 25c. Dry, 1 lb., 35c; 5lbs., 30c; 10 lbs., 28c.

**PYROX.** The best and safest all-round spray for all insects, blights and fungus troubles. Kills Potato bugs. Sticks like paint. 1 lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.98; 50 lbs., \$11.00; 100 lbs., \$19.00; 300 lbs., \$54.00.

**CUT WORM FOOD**—It is simple and easy to use. It consists of a material that is more delicious and is much more preferred by the CUTWORM than the plants themselves. It is sprinkled on the ground around the plant just as it is found in the package. Price 35c.

**TREE TANGLEFOOT.** A paste preparation for painting around the trunk of trees, in the form of a band. Caterpillars and other crawling pests cannot go over it. Lb., 50c; 3lb. can, \$1.45.

**WEEDICIDE**—Kills grass and weeds of every kind on roadways, gutters, tennis courts, etc., by one application. Price 40c qt.; \$1.25 gal.

**GRAFTING WAX.** A wax manufactured specially for grafting trees, bushes, shrubs, etc. ¼ pkg., 15c; ½ lb. pkg., 25c; 1 lb. pkg., 40c.

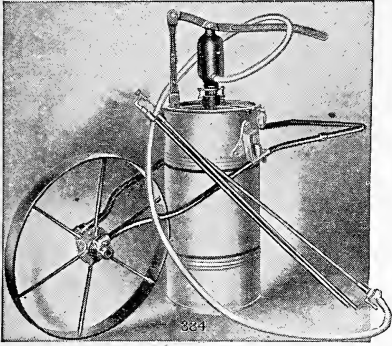
**Sulphur, Powdered**—A remedy for insects of all kinds, both by itself and in combination with other remedies. 1 lb., 15c; 5 lbs., 10c—Special Price bbl. lots.



**Hammond's Slug Shot**—An insecticide for the destruction of Potato and Rose bugs, and all Lice, Worms or caterpillars upon Melons, Egg, Cucumber, Cotton, Tobacco and Cabbage plants, Tomato Currants, Fruit or Ornamental Trees, Grape Vines, Shrubs and Flowering plants, 1 lb. 20c; 5 lb. pkg., 55c.

**Strictly Pure Paris Green**—  
Market Price.

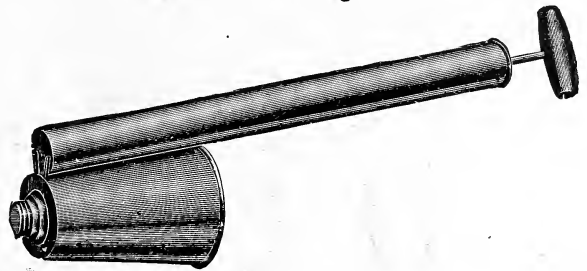
**Double Ground Land Plaster**—  
Per 100 lb. bag, \$1.75—Ton \$30.00.  
**Sulpho Tobacco Soap** 10c & 20c.

**THE AUTO No. 40 WHEEL SPRAYER**

Applies, in a mist-like spray, all fluid insecticide and fungicide solutions on garden crops, ornamental plants, shrubs and low trees; also useful for whitewashing, applying sheep dip, fly oils, etc. It is a most convenient, large capacity, Auto Sprayer, fitted to a tubular iron frame with 20-inch wheel, so that it is as easily moved about as a wheel-barrow. The tank of heavy galvanized steel or brass (as may be selected) holds the spray solution and the compressed air pump with which the operator keeps up a continuous and uniform spray. The machine is furnished with 8 ft. of high pressure spray hose with connections in 8 ft. iron extension pipe with lever "shut-off" for tree spraying and the latest pattern Vermorel nozzle, which fits either the hose or pipe. Price, with 12 gal. galvanized steel tank, \$25.00.

**LOWELL GRAND SPRAYER FOR LIQUID****DESCRIPTION.**

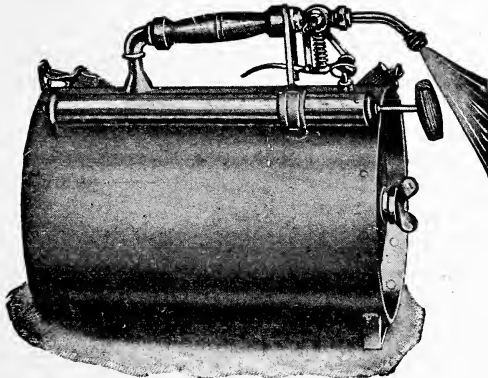
Tapered cylinder reservoir, 4 inch bottom, 3 inch top, 1½ inch pump cylinder, 20 inches long. Plunger our special make. Two brass solution or spray tubes. One inch zinc can screw for filling. Strong and durable in construction. Each sprayer is tested for leaks and perfect spray. Capacity of tank one quart. Aluminum finish. Galvanized Steel, 60c.

**Lowell Baby Midget Sprayers  
for Liquids, 35c****BROWN'S CONTINUOUS SPRAYER**

The Brown Continuous Sprayer, as the name implies is so constructed that it not only sprays on the downward stroke of plunger but also when it is drawn back, thus causing a continuous mist-like spray.

Brass ..... \$1.25

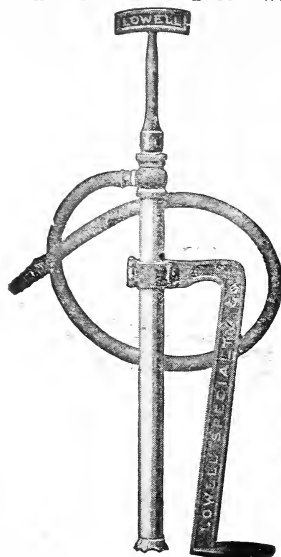
Galv. .... . .90

**THE LOWELL FOUNTAIN COMPRESSED AIR SPRAYER**

One pumping will expel entire contents of tank and is sufficient to spray 2,000 plants. Spraying nozzle may be reversed to spray under side of bushes and plants. Automatic Thumb Lever Valve is at all times under complete control of operator, hence none of the solution is wasted. It saves its cost in making a given amount of compound do so much more work. An Adjustable Shoulder Strap and Tree Attachment with suitable coupling for orchard and tree spraying, furnished with each machine. Aluminum finish. Capacity, 3 gallons. Price, Galvanized, \$6.48; Brass, \$8.48.

## "LIGHTNING" WHITEWASH SPRAYER

This is the only Spray Pump that will properly spray whitewash without clogging. It is constructed of heavy galvanized iron, with brass tops and valves. Large air chambers and ball valves, the pressure maintaining a continuous stream or spray not affected by the upward stroke. Can also be used for washing windows, buggies and sprinkling lawns, flowers, etc.

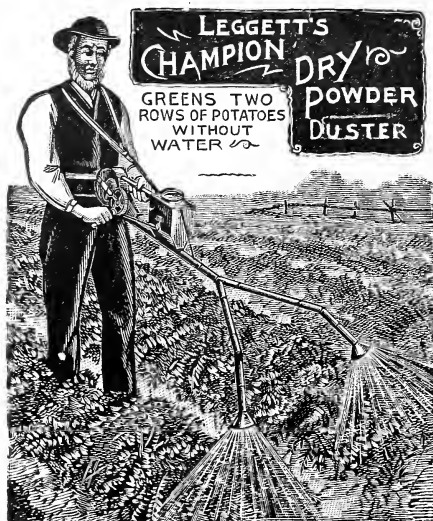


**AUTO SPRAY NO. 2.**

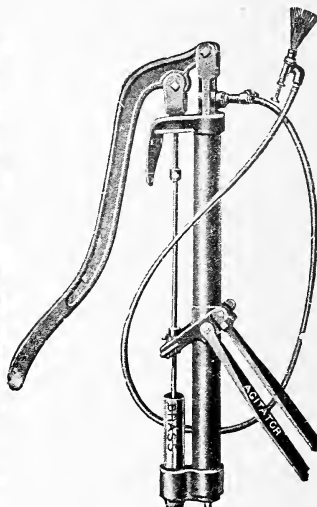
All Brass Whitewash  
General Purpose Spray-  
er.

Price, \$5.50

Galvanized Iron, \$2.98; Brass, 4.25.



Price, \$15.00



**PUMP NO. 25  
FOR BARREL USE**

Price \$13.98

## BROWN'S AUTO SPRAY No. 1



The Auto-Spray No. 1 is the standard of all compressed air sprayers. It is the strongest and most simple in its working parts of any similar machine. Self operating. Two pumpings of a few strokes on the plunger will discharge the contents under high and constant pressure. After pumping, the operator has only to direct the spray.

**Uses.** For spraying trees, shrubs, vines, field crops, in the greenhouse, poultry house. For applying disinfectants and cattle-fly oils. Will handle all solutions, including white-wash and cold water paint.

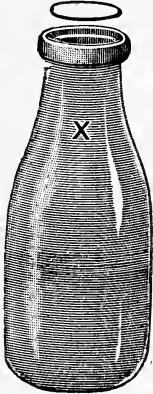
Price, Galvanized, \$6.48.

Brass, \$9.48.



# Dairy and Milkmen's Supplies

## MILK BOTTLES



No. 2 Common Sense

1 qt., doz.	\$1.15	Gross	\$10.00
1 qt., doz.	.90	Gross	8.50
½ pt., doz.	.80	Gross	7.50

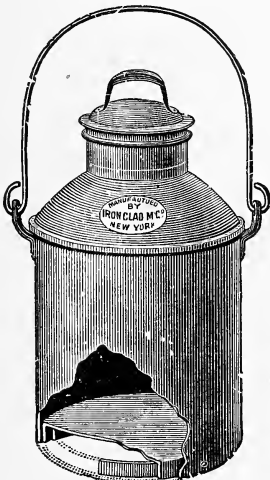
In 10 gross lots we furnish the plate free.

## Milk Bottle Carriers

### TINNED WIRE

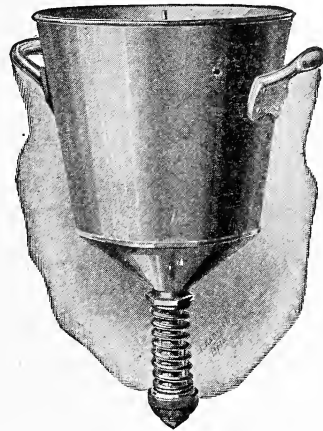
1 qt. (6)—Rd. wire	.....	\$0.98
1 qt. (8)—Rd. wire	.....	1.25
1 qt. (6)—Flat wire	.....	1.50
1 qt. (8)—Flat wire	.....	2.00

## Milk Pails



One quart to twenty quarts

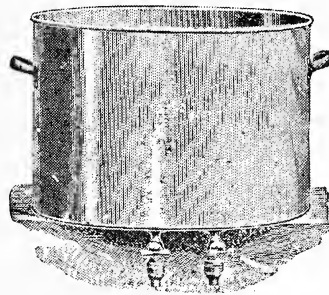
## Milk Bottle Filler



Works Easily and Quickly.  
Guaranteed \$12.00.

## Milk Bottle Filler

Sensible ..... \$12.00



It is sensible because it is simple, no levers, no springs, just a heavy tin tank made of I X X X X Cookley K Char coal tin plates, holding 60 quarts, and with two faucets in the bottom. These re-

move any particles which may have remained in the milk, and cause the streams to flow in smooth, even columns.

We have built the Sensible so strong and heavy that it will last a life time. You can find no more sensible way to fill your bottles.

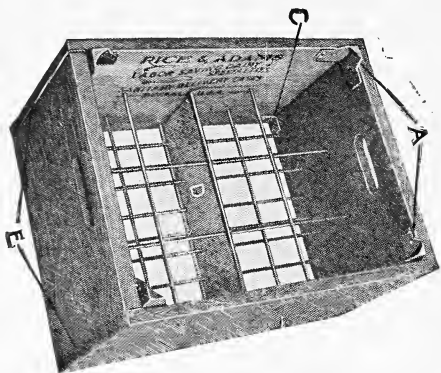
## Dairymen's Cleaner and Cleanser for Milk Bottles

It is also a perfect sanitary cleanser for use in the home or on the farm, for washing dishes, glass, refrigerators, pots and pans, milking utensils, floors, baths, toilets, etc. 5 lb. 35c.

## Milk Strainers, 25c and Up



## DAIRY AND MILKMEN'S SUPPLIES—Continued



### R. & A. Unbound Sanitary Delivery Cases

Patented Nov. 7, 1905.

The weight of unbound cases is about three pounds less than bound cases, and for this reason they are preferred by many dealers. This style is made with or without bottom corner irons. Pressed galvanized steel stacking corner irons are always included.

A—Heavy stacking corner iron.

C—Bottom corner iron.

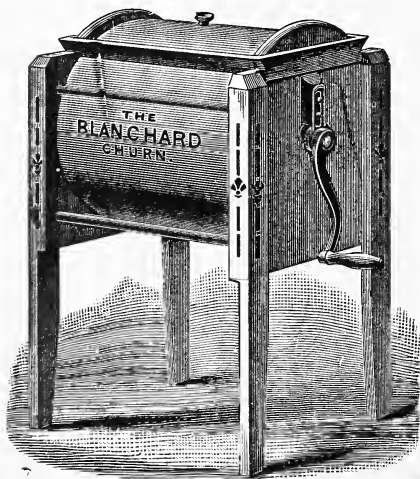
D—Galvanized steel support.

The bottles are always held in correct position to be filled and capped, as the galvanized steel support "D" keeps the long wires from sagging.

1 qt. size (12 bottles) .....\$1.75—doz. \$1.50.

1 qt. size (Iron stripped) ... \$2.00—doz. \$1.80

### The Blanchard Churn

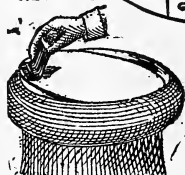


Price List Family Sizes.

No.	Will Hold	Price
3.	2 gals.....	\$ 9.50
4.	4 gals.....	11.50
5.	8 gals.....	13.00
6.	12 gals.....	15.00
7.	16 gals.....	18.00



NEW WAY



OLD WAY



### MILK CAPS

New Seamless Pull Cap.

Heavy Waxed, Printed.

Heavy Waxed, with lip, Printed.

New Lip Cap, lip will not pull off.

NEW PERFECTION PULL CAP.

Prices on Application

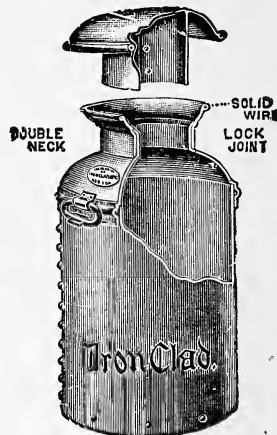
Name and address printed free on lots, 50M.

### Milk Cans

20 qts., \$4.50

30 qts., \$5.00

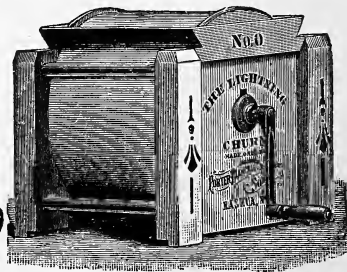
40 qts., \$5.50



### The Cylinder Churn



### The Lightning Churn



No. 0	.....	\$4.00
No. 1	.....	4.50
No. 2	.....	5.50
No. 3	.....	6.00
No. 4	.....	7.00

No.	Will Hold	Price
0	½ gals. ....	\$5.00
1	2½ gals. ....	5.75
2	3½ gals. ....	7.00
3	4½ gals. ....	8.00



DAIRY AND MILKMEN'S SUPPLIES—Continued

**A Wonderful Process of Economy**



The Dazey Butter Machine saves 45 per cent. of your butter bill. One pound of butter and on pint of milk make two pounds of milk charged butter.

**PRICES**

1 qt. ....	\$1.50
2 qt. ....	2.00
3 qt. ....	2.75
4 qt. ....	3.50

**Dazey Metal Churn**

No. 100 .....	\$3.50
No. 200 .....	5.00
No. 300 .....	6.50
No. 400 .....	8.00
No. 600 .....	10.00

**Measuring Rods**

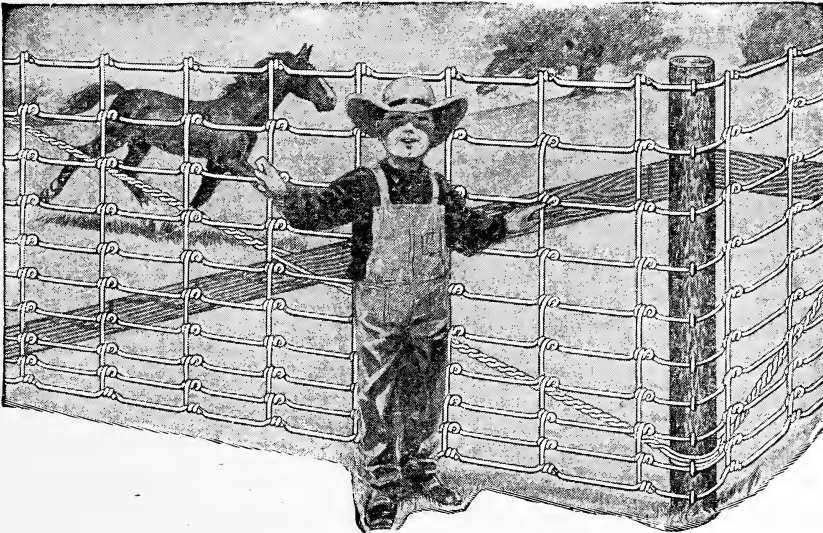
**FOR MILK CANS**

Metal .....	75c.
Wood .....	98c.

**Dairy Thermometers, 25c Each**

Lactometers, approved by the N. Y. Board of Health to test the quality of Milk, 75 cts. each  
Long Handle Measure for Milk Cans.

**NATIONAL FENCE**



National Farm Fence, 45-inch. Price, per Rod (by roll) 60 cents.  
National Farm Fence, 32-inch. Price, per Rod (by roll) 55c & 70c.

**NEW NATIONAL POULTRY FENCE**

58-inch, Price, per Rod (by roll), 80c.

48-inch, Price per Rod (by roll), 70c  
Galvanized Wire Netting

**Poultry Netting**

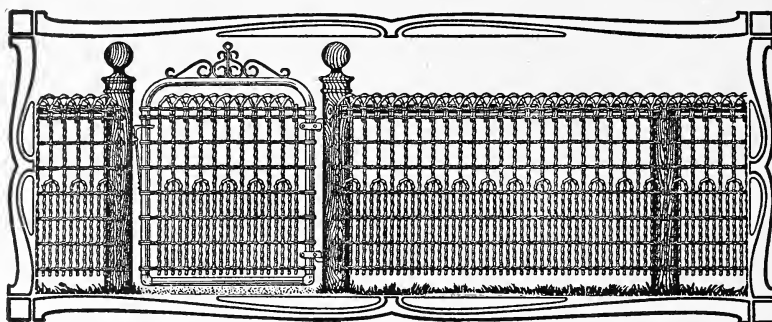
Our Poultry Netting is woven from the best quality of steel wire of full standard gauge. It is heavily galvanized after weaving, thus insuring the greatest durability.

Wire 2 inch Mesh, 1 ft., 2 ft., 2½ ft., 3 ft., 4 ft., 5 ft., 6 ft. No. 20 Wire 1 inch Mesh, 1 ft., 2 ft., 2½ ft., 3 ft., 4 ft., 5 ft. and 6 ft.

Market Prices.



## Ornamental Fences and Gates



Our Ornamental Fences are exclusive in design, and embody many highly meritorious features not to be found in those of any other manufacture.

Our fabrics are made by cabling horizontal wires and inserting, at regular spaces, heavy upright or picket-wires which are corrugated either at intervals or continuously to engage the cabled line-wires, reversing the twist of the cable on each picket—thereby causing the cables to become firmly seated in the corrugations of the uprights, thus forming an immovable joint, and providing for contraction and expansion. Will not unravel when cut.

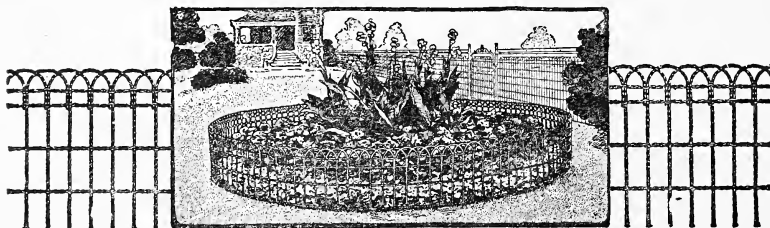
### STYLE F.

36 inches high .....	22c lineal foot—Roll 16½c ft.
42 inches high .....	24c lineal foot—Roll 18c ft.

### STYLE L.

36 inches high .....	16c lineal foot—Roll 12c ft.
42 inches high .....	18c lineal foot—Roll 13½c ft.

## PERFECTION FLOWER-BED GUARD AND LAWN BORDER



### PERFECTION

22 inches.	16 inches
12c per ft.	10c per ft.
Roll	
9c per ft.	8c per ft.

### EXCELSIOR

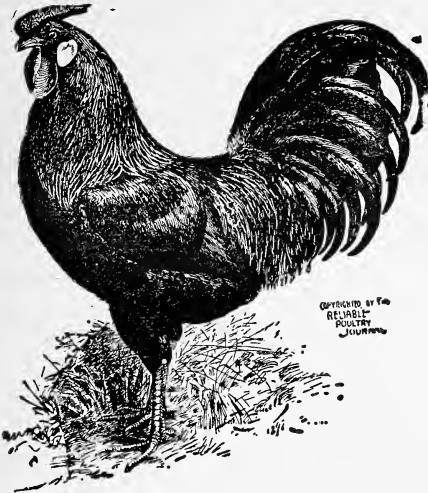
16c per ft.	13c per ft.
-------------	-------------

A neat, artistic, and inexpensive fabric for the protection of flower beds. Also much used for lawn and curvway border. Can be readily taken up and used from year to year, cut off to length required, and the ends hooked together when set. No posts are required to hold it in place, as the picket ends are left projecting for insertion in the ground. Uprights are of No. 9 and cables of No. 13 heavily galvanized wire.

## ORNAMENTAL WALK GATES

Cyclone Ornamental Gates are made to match any of our styles of fabric. Frames are of high grade steel tubing, with fittings of high-grade malleable iron and wrought steel. Same style as above we quote: Sizes, height from 30 in. to 48 in. width. 3 ft., \$5.00; 3½ ft., \$5.25; 4 ft., \$5.75.

# HIGH GRADE POULTRY AND PIGEON SUPPLIES



## Pratt's Baby Chick Food

For the "First Three Weeks"

Saves the little chicks—brings them through the first three weeks in fine shape—keeps them well and makes them grow fast. The most successful poultrymen all over the country testify that PRATTS BABY CHICK FOOD is the greatest money saver and chick saver that they have ever seen. If you want real success with your chicks—want to raise all that are hatched every time—use PRATTS BABY CHICK FOOD. Try it once and you will never be without it.

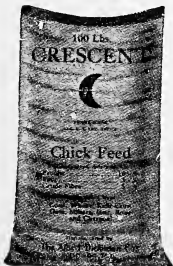
14 lb. Bags, \$1.35. Packages, 30c and 60c.



## Full of Pep Chick Food

Feed for the Growth Stage

A standard mixture of re-cleaned Cracked Grains, Seeds and Hulled Oats. The proportions are similar to the "Sun Brand," but a trifle coarser, especially to meet the requirements of the older chicks, although used by many from the beginning.



Prices on application.

## Conkey's Buttermilk Food



Feed it for the first 8 weeks, then follow with Conkey's Buttermilk Growing Mash and continue during the developing period. Then feed Conkey's Buttermilk Laying Mash.

Price 5 lb. pkg. ....	.40
Price 10 lb. pkg. ....	.75
Price 25 lb. pkg. ....	1.75
Price 100 lb. pkg. ....	5.75

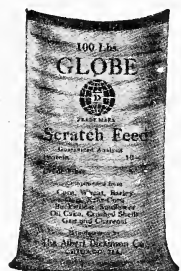
## Developing Food

A special food for properly maturing young chicks after they are weaned from Chick Food up to the time for feeding scratching food and laying food. Developing food is dry grain and may be fed from hoppers, but better results may be had by scattering broadcast.

## Scratch Food

For Grown Fowls  
Suitable for all Seasons

A carefully selected mixed balanced ration of grains, cracked and whole seeds, etc., adapted to the vigorous growth of fowls and production of eggs. Scratching food should be scattered in the litter the first thing in the morning and at noon; late in the afternoon feed all the mash food they will clean up. Prices on application.



## Beef Scrap

Standard Meat Food for Poultry of all Ages

High Protein Beef Scraps is an especially valuable meat food for poultry and gives very satisfactory results. Any kind of Beef Scraps will not answer. Poor beef scours the birds and often injures them, when the first is used the results are uniformly good. Do not fail to buy your supply from a reliable source.

Prices on application.

## Laying Food

### Egg Mash

Invaluable as a Supplementary Feed for Winter Laying—15 per cent Meat Scraps and Oil Meal—16 to 18 per cent Protein. Can be "Dry" hopper fed or moistened.

Prices on application.

## Spratt's Chick Grain

A specially prepared and highly nutritious food for young chicks.

Prices on application.

## Muzzy "Pigeon Feed" a Squab Developer

Right feeding of pigeons is considered something of a problem. Most raisers do not understand either the pigeon or its feeding as well as they do poultry. The true fancier, the man who raises birds for their beauty, for the show, for the pleasure there is in it, or for sporting, finds in our Pigeon Feed a combination suited to his needs.

Prices on application.

## Charcoal

Prepared expressly for poultry, absolutely pure, essential to health of fowls and aids to digestion. We carry three grades:

No. 2. Fine, for use on mash mixtures.	
No. 1. Medium, for small chicks.	
No. 0. Course, for fowls, 1 lb. 10c.	
5 lbs., 40c.	10 lbs., 75c.
50 lbs., \$2.50	100 lbs., \$4.00
	25 lbs., \$1.50

## Ground Bone

### Fine and Granulated.

Ground Bone is made from Dry Bone, and contains Phosphates, Lime and Protein and is especially valued as an egg producer.

Prices on application.

## Cut Alfalfa Clover

A Poultry Food that aids digestion and assists in the assimilation of grain foods, thereby giving better results at lower cost. Among green foods, Alfalfa stands at the top. Meal-d Alfalfa is a boon to poultrymen. It is used in a mash for small chicks as well as to mature fowls. If more of this meal was fed to young chicks there would be less mortality.

Prices on application.

## Cut Red Clover

Cut Clover has become the standard green food for winter egg production. It is used and recommended by every poultry expert and well-known practical poultryman in America.

Writers on poultry topics endorse it as a necessity, especially during the long winter months when the fowls are unable to obtain a substitute for the bulky green food which is so plentiful during the summer season in the shape of grass clover and vegetables.

Prices on application.

## Crushed Oyster Shells

It is needless for us to enlarge on the value of oyster shells for poultry. Every poultryman realizes their importance as an egg maker and general promoter of good health.

1 lb., 5c; 5 lbs., 20c; 25 lbs., 60c; 100 lbs., \$1.00.  
One ton ..... \$18.00

## Crystal Grit

We supply four sizes of grit. No. 4 for Brooder Chicks; No. 3 for Pigeons; No. 2 for half-grown Chicks; No. 1 for Hens, Turkeys, Ducks and Geese.

1lb., 5c; 5 lbs., 20c; 25 lbs., 60c; 100 lbs., \$1.75

## Foust's Health Grit

1 lb., 5c; 5 lbs., 20c; 10 lbs., 35c; 25 lbs., 75c; 100 lbs., \$2.00.

## Seeds and Grains

We carry a full line of the following: Wheat, Barley, Millet, Hemp, Sunflower, Kaffer Corn, Canadian Peas, Cracked Rice, Linseed Meal, Canary Seed and Mixed Bird Seed, Buckweat, Rye, etc.

## 1-2-3 Poultry Feeder

For feeding Dry Mash, Scraps, Grit, Oyster Shells, Charcoal or any poultry feed. The separator can be arranged so as you can have one, two or three compartments. When used for one kind of feed take out the separator; for two kinds put separator in one end; when used for three kinds, say scraps, shells, and grit, put separator in the middle and you have three separate compartments. Price, \$1.50.

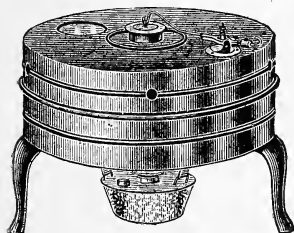
## RELIABLE INCUBATORS AND BROODERS



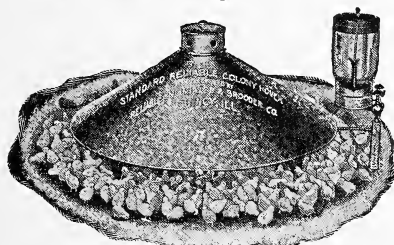
100 and 140 Egg Reliable Standard

### Our Little Baby Grand Incubator 50 Egg Capacity, All Metal

Unique and superior in its construction. Beautiful in its appearance; excellent in its hatching qualities, and most Reliable and easiest operated small incubator ever offered to the trade. It has a glass window in top so thermometer can be seen without opening, and the chickens can be seen hatching without opening machine. It has a positive heat and moisture regulation, and is equipped with a moisture receptacle for applying additional moisture when needed. Price \$7.50.



SHIPPED BY  
EXPRESS OR  
PARCEL POST



### THE MODERN HOVER

This hover has the same chick capacity as the coal burning brooder. They are made in three sizes, 30 inch, 42 inch, and 52 inch hover. A few of the special points on this oil heated hover are as follows:

Burns Coal Oil. No Wick to Trim. Steady Blue Flame. Abundance of Heat. Comfortable and Easy to Operate. No Oil Fumes. Visible Oil Feed. Economy of Operation. Convenient and Safe. No Coal, Smoke or Gas. The Flow of Oil is Regulated Automatically.

O 30 inch, 250 Chicks .....	\$17.50
1 42 inch, 500 Chicks .....	\$18.50
2 52 inch, 100 Chicks .....	\$21.50

### HOT WATER

50-A—100 egg	\$28.00	54—240 egg	\$51.50
52 —140 egg	37.50	56—350 egg	63.00

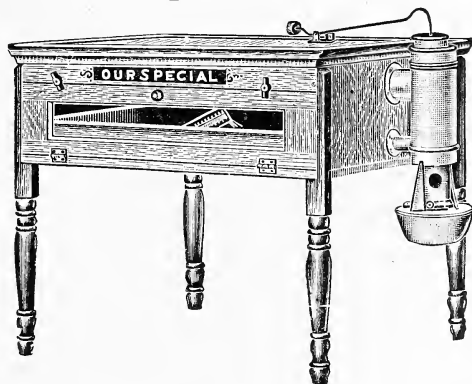
### A Double Heating System

A unique feature of the Reliable is its double heating system—a feature possessed by no other incubator, and one which gives a decided advantage in economy of operation.

In the hot water machines there are two tanks, a hot air tank above the water tank. This tank, in addition to heating the fresh air supply, before conducting into the egg chamber, also radiates heat from its own surface, in sufficient quantity that, if necessary, the heat from the hot water tank could be cut off entirely and the hot air tank would maintain the temperature at the proper degree. This heat from the hot air tank is saved, whereas it goes to waste in other makes of incubators.

We have, therefore, a double system of heating, combining all the advantages of the hot air and water systems, overcoming all of the disadvantages of either.

### Our Special Incubator



60 and 140 EGG Special

### Our Special Incubator Compared With Standard Line

Our special line is made of the same grade material as our standard, has the same regulating, the same double heating device, the same ventilating and moisture system. Our Special has all the important points for hatching that are contained in the Standard. The differences between the Standard and the Special are, the Standard has two doors, the Special has one, the Standard has lamp incased, the Special has lamp on outside at end, the Standard has nursery beneath the egg tray, the Special has none. The Standard has two wood walls, the Special 140 Egg size has one wood wall and one wall of heavy fibre board, both the Standard and the Special have the same packing between the walls, except the 60 egg size has single wood case, the Standard is 18 inches deep, the Special 9 inches deep.

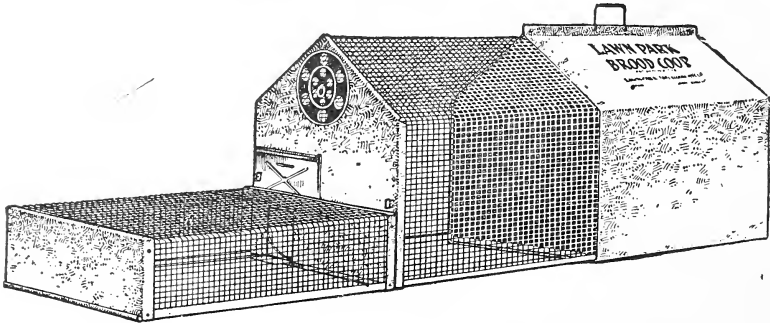
No.	Size	Kind	Wt.	Price
81a	70 egg	Hot Air	36 lbs.	\$15.50
83a	125 egg	Hot Air	67 lbs.	23.50

QUEEN HOT WATER HEATING INCUBATOR

The Queen System of hot water heating prevents the drying-out tendencies found in hot air incubators and provides a soft, uniform heat over every part of the egg chamber—a heat that is most natural for the hatching eggs. The circulation of water through the radiator prevents any moisture being added or taken away from the eggs. When it becomes necessary to remove the lamp, the hot water circulating through the radiator maintains an even heat within the egg chamber without the slightest variation.

THE QUEEN INCUBATOR—HOT WATER HEATING  
No. 20A, \$16.50; No. 22, \$36.75; No. 1, \$27.50; No. 3, \$44.50; No. 4, \$57.75.

THE "LAWN PARK" COOP SAVES THE CHICKS



It is made entirely from Galvanized materials, will not rust, and is proof against all chick enemies. The body of coop is made from strong 28 gauge Galvanized Steel, the Wire Park is made from heavy ½-inch mesh Galvanized Wire Screen. The "Lawn Park" is large and roomy, being 18 inches

high and 24 inches long with park closed and 48 inches long with park extended.

The "Babie" Chick Feeder Saves the Feed

Just as the "Lawn Park" Saves the Chicks so the "Babie" Chick Feeder Saves the Feed. It is made strong and durable, all parts being Galvanized Steel. Solid sheet steel ends to which the Wire Screen is securely attached. Has patent door arrangement which allows the little fellows to enter but keeps the older fowls from even sticking their heads inside. Will readily accommodate Thirty to Forty chicks at one feeding. Size, 6 inches high, 18 inches wide and 24 inches long. Can be placed anywhere and can be moved from place to place easily.

Price: Lawn Park Coop .....\$6.50  
Baby Chick Feeder .....\$2.50

Green Dahlia Poles,	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.
	8c	10c	12c	20c	25c
Bamboo Dahlia Poles,	3c	5c	7c	8c	10c
" " "	30c dz.	50c dz.	75c dz.	85c dz.	\$1 dz.

Wire and Wood Flower Stands

1 Step Wire Flower Stand, 24 inches.....	\$2.98
1 Step Wire Flower Stand, 30 inches.....	3.48
2 Step Wire Flower Stand.....	5.00
3 Step Wire Flower Stand.....	6.93
4 Step Wire Flower Stand.....	9.00

Tree Tubs

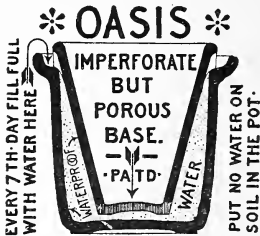
No. 1 Round .....	\$2.50
No 2 Round .....	3.25
No. 3 Round .....	3.75
No. 3½ Round .....	4.25
No. 4 Round .....	5.00

Flower Pots

Finest quality machine made in sizes 2 inches to 14 inches.

Jardiniere Flower Pot

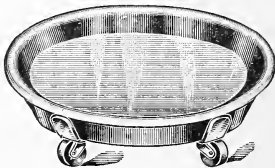
Eight Day Self Watering  
(Patented 1909)



JARDINIERE FLOWER POTS.  
SELF-WATERING-EIGHT-DAYS.

PRICES

4 in. inside.....each	\$0.30
5 in. inside.....each	.40
6 in. inside.....each	.50
7 in. inside.....each	.65
8 in. inside.....each	.90
9 in. inside.....each	1.39
10 in. inside.....each	1.75



Indurated Fibre Rolling Stands,  
for large flower pots and tree tubs.

# Pratts

## POULTRY AND ANIMAL REGULATORS AND REMEDIES. BABY CHICK FOOD, WITH BUTTERMILK.



Healthy birds and lots of eggs, the two big things in poultry raising usually follow the use of

### PRATTS POULTRY REGULATOR

Packages 25c, 50c and \$1.10.  
25-lb. Pails \$3.10.

100-lb. Drum \$10.00.  
12-lb. Pails, \$1.65.

It builds up vitality, promotes sound digestion, sharpens appetite, thus helping to put birds into condition for heavy egg laying or winning blue ribbons.

Given to breeding stock it increases the fertility of eggs, strong in vitality, that will hatch chicks that will grow. Use it if you want big hatches of healthy chicks that will develop into husky pullets and cockerels.

It will help many of the common poultry ailments. It will greatly improve turkeys, geese, ducks, pigeons and guineas.

"Don't let ROUP cut your profits. The sure and easy "ounce of prevention" against this dangerously contagious disease is

### Pratts Roup

Tablets or Powder

25c and 50c

Quickly absorbed by the blood, purifies the system, reduces fever, allays inflammation. The safe remedy for roup, colds, catarrh and many bad weather diseases.



Get rid of lice on your poultry, in nests, dust-baths, incubators and elsewhere by using

### Pratts Powdered Lice Killer

25c and 50c.

Effective, non-irritating. It quickly kills lice on little chicks, big chicks, setting hens and incubator chicks. It rids horses, cattle hogs, dogs and cats of lice, and destroys ticks on sheep. It destroys many insects and bugs on vines, plants and flowers. Drives out moths from closets, furniture, carpets and clothing.



When baby chicks come keep them healthy and growing and bring even the weak ones along by feeding

### Pratts Baby Chick Food with Buttermilk

In Small Packages—Also 14, 25, 50 and  
100-lb. Bags



A largely predigested baby food for baby chicks. Guaranteed to raise every livable chick. Helps Leg weakness, white diarrhoea, "pasting up" and other chick diseases.

More work out of your horses, more milk from your cows, fatter hogs—these are a few of the benefits which come from using

### Pratts Animal Regulator

This is the original and pioneer stock regulator of America. Tested thoroughly for nearly half a century, its worth is known and recognized by stock owners the world over. Always sold on a guarantee that it will satisfy you or your money back.

25 lb. pails, \$3.40, are popular with our customers.

Packages, 25c, 50c, \$1.00.

Get prices on 50 lb. and 100 lb. sacks.



PRATTS White Diarrhoea Tablets, 25c and 50c

PRATTS Head Lice Ointment, 35c.

PRATTS Special Compound, 25c and 50c.  
(For Cholera).

PRATTS Condition Tablets, 25c and 50c.

PRATTS Sore Head-Chicken Pox Preparation,  
35c and 70c.

PRATTS Red Mite Special, 55c, 90c and \$1.50.

PRATTS Hog Tonic, packages, 50c and \$1.00.  
100 lb. Bags \$8.25.

PRATTS Fly Chaser, 2 qt., 85c; 1 gal. \$1.35; 5  
gal. cans, \$5.85; 10 gal. cans, \$11.30.



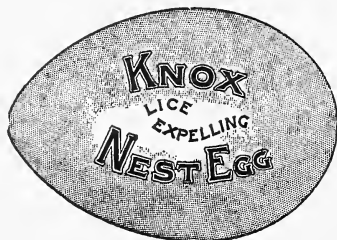
## POULTRY MUSTARD

The experience of practical poultry raisers and the results of careful experiments conclusively demonstrate that Colburn's Poultry Mustard keeps fowls in vigorous condition, increases egg production, improves fertility and hatchability of the eggs, and does not injure the birds in any way.

**DIRECTION FOR USING.**—This Mustard may be fed in a dry mash or moist mash, as preferred. Give one heaping teaspoonful daily to each ten birds. This amount may be increased, especially during cold weather. **Be sure to thoroughly mix the mustard with the ground grains.**

Endorsed and recommended by leading poultrymen.

1½ lb. Boxes, \$60. 3 lb. Boxes, \$1.10. 5 lb. Boxes, \$1.75.



### NEST EGGS

#### ANTISEPTIC NEST EGGS.

Kills Lice and Mites in Nests and on Fowl's body where they congregate and worry the layers. No trouble to use. Simply put them in the nest.

8c each, 2 for 15c.

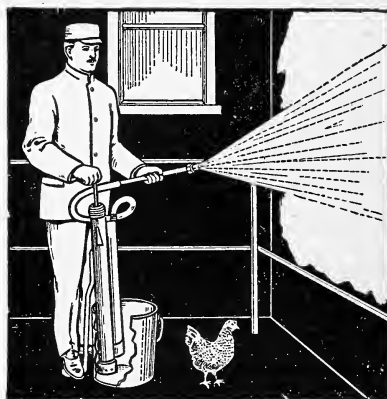
Lime Nest Eggs, 5c each, 6 for 25c.

**No-Odor.**—One of the best nest eggs to use.

#### PORCELAIN NEST EGGS.

These eggs are made of first class flint and do not break and will last indefinitely.

Price, 4c. each, 3 for 10c. Doz. 35c.



### Whitewash Sprayer

This is the only spray pump that properly sprays whitewash without clogging. It is constructed of heavy galvanized iron with brass tops and valves. Large air chamber and ball valves, the pressure maintains a continuous stream or spray not affected by the upward stroke.

Galvanized Iron, \$2.75

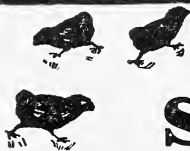
Brass, \$4.25

# Conkey's

THE ORIGINAL

## Buttermilk Starting Feed

**Saves the lives of little chicks and keeps them growing fast**





### Gape Worm Extractor

The use of this instrument is so simple that a few moments' practice will give almost all information needed. The wires being flexible, may be made smaller or larger by bending to suit any age fowl.

Full directions with each instrument.

### Pilling French Poultry Killing Knife

Every Poultry raiser should have one of our killing knives. They are made of finely tempered instrument steel, with nicked handle; will last a life time. Don't wait! Send for it now. Price, 60c.

### Reliable Spring Lever Poultry Punch

If you keep a record of your chicks, of the different breeds, hatches, strains, etc., there is no better, quicker, or easier way than by using our latest invention. Price, 25 cents.

### Philadelphia Chick Marker

Price, 25 cents.

### Incubator and Brooder Lamps

With seamless founts drawn in one piece and galvanized after drawing.

7-inch by  $2\frac{3}{4}$ , No. 2 burner and chimney.

7-inch by  $2\frac{3}{4}$ , No. 3 burner and chimney.

Zero Incubator and Brooder Lamp. Prices on Application.

### Pilling Caponizing Sets.

The Farmer Mi Cap'niz'g Set	\$7
The Farmer's " "	\$4
The Philadelphia " "	3.50
The Plain " "	2.75

Full instruction for use with each set.

### High Grade Tested Thermometers

The best incubator or brooder manufactured is worthless unless the thermometer used therein is accurate. Hundreds of hatches in incubators fail because of inferior thermometers, and large numbers of chickens are killed in brooders owing to defective or worthless thermometers.

The thermometers here listed are thoroughly tested before they are shipped.

Incubator Thermometer, each	.50
Brooder Thermometer, each	.50

### Incubator Hygrometer

These Hygrometers should be used by every one who runs an incubator. They regulate the moisture as accurately as the heat which overcomes the trouble so many people have of chicks "dead in the shell."

Price each, \$1.50

### Water-Glass

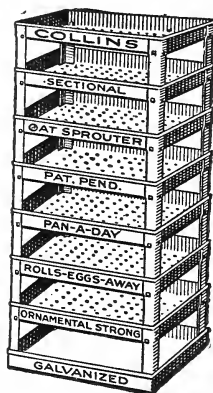
For Preserving Eggs

1 qt. Jars .....	.30
2 qt. Jugs .....	.50
4 qt. Jugs .....	.90

## The Peerless Self-Feeding Dry Food Hopper

The Most Practical, Quickest Growing  
Perpetual, Sectional, Fireless

### Oat Sprouter



All Metal, Heavily Galvanized. Packed in  
Corrugated Box 11½ x 15½ inches.

#### PRICES

5 pans, 11 x 15 .....	\$3.00
8 pans, 11 x 15 .....	4.00
Extra large size .....	8.00



This Hopper Stands for Economy, Efficiency  
and Reliability

Ideal for feeding Dry Mash, Beef Scrap, Bran, Meal, Grits, Oyster Shell, Hen-e-ta Granulated Milk, Charcoal, Cracked Bone, Whole Grains, etc. Guaranteed to give ten years of continuous service.

Hopper feeding is decidedly the easiest and most economical method of feeding birds that are being raised for breeding, for market or for egg production.

#### Sizes and Prices:

Small,	8 qt. size, for 10 to 15 birds, \$1.75
Medium,	16 qt. size, for 15 to 30 birds, \$2.50
Large,	32 qt. size, \$3.50

### WILL MAKE YOUR HENS LAY BETTER

The Norwich Automatic Feeder is used exclusively in the North American Laying Competitions, where all official records for high production and low mortality have been broken. The machines save half the labor of feeding, reduce grain bills, keep the fowls healthy and make them lay. You can get the same results by adopting this modern method of feeding. The new

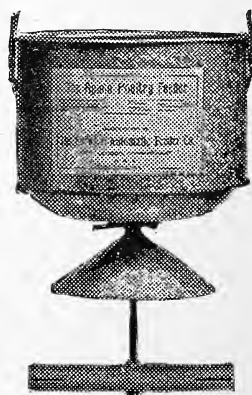
#### APACO POULTRY FEEDER

is low price, being especially designed to meet the needs of owners of small flocks. It is carefully constructed and has the all-important adjustable valve for regulating the strain flow and the positive rotary feeder rod, special features which can be secured from no other manufacturers.

Test this time-saving, results-bringing plan of feeding right now. Secure one or more Apaco Feeders and put your birds to work. They will quickly begin to pay dividends.

Guaranteed Satisfactory or Money Refunded.

Our complete catalog of money-making poultry equipment mailed free on request. It contains much valuable information which you should have.



12-Quart Size

Complete ..... \$6.00  
Without Heater ... \$3.50

## Sanitary Galvanized Iron Drinking Fountains



1 qt. Chick Fountain..48c  
2 qt...85c 1 gal...\$1.25

## Cone Top Galvanized Iron Fountains

Small .....35c  
Medium ....45c  
Large .....55c

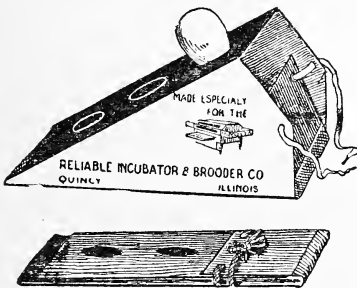
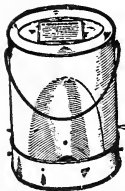


## The Peerless Brooder Fountain

The Ideal Fount for Little Chickens

Price 48c each. \$4.00 per doz.  
5 qt. size, 98c. 10 qt. size, \$1.39  
Heater attachment, 5 qt. size or 10 qt. size, \$2.00.

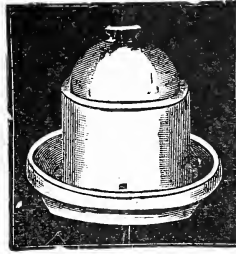
Extra heater attachment  
2 quart .....75c



## Gem Folding Egg Tester

A tester consisting of pasteboard and a strip of mirror. The tester has been in common use for years, is very popular and fills a longfelt want for something accurate and cheap. Price, 50 cents.

## Earthenware Fountain

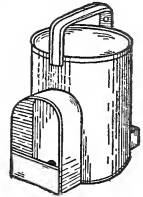


This fountain is the only kind made in this form—2 sections—in earthenware. They can be easily cleaned; and if frozen, can be refilled without trouble. They keep the water always fresh and cool.

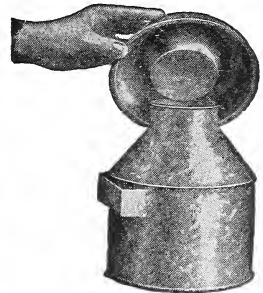
1 Piece, each, 1 quart, 35c; ½ gallon, 45c; 1 gallon, 60c; 2 gallon, 75c.  
2 Piece, each, 1 quart, 50c; 2 quart, 65c; 1 gallon, 75c; 2 gallon, 90c.

## Wall Fountain

1 quart .....50c  
2 quart .....75c  
4 quart .....90c  
8 quart .....1.25



## Sexton Up-to-Date Fountain

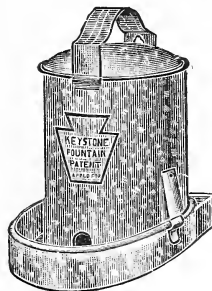


Six quarts, price 85c each.

## KEYSTONE FOUNTAINS

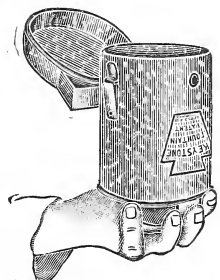
Practical  
Convenient  
Easy to fill.  
Not Injured by Freezing.

Large comb fowls can drink readily from this fountain.



PRICE:

1 quart .....60c  
2 quart .....75c  
4 quart .....1.25  
8 quart .....1.75



# THE NORWICH AUTOMATIC AIR-LOCK FOUNTAIN

SANITARY NON-FREEZING



How to supply water to the poultry house during the winter months has been one of the problems which has confronted the poultrymen for years, for there is nothing more discouraging than to fill the drinking vessels, with all the accompanying discomforts of carrying water in cold weather, and then have the fountains freeze almost before we finish the task, and it has been the experience of many poultrymen that their birds have been without water for most of the day in consequence.

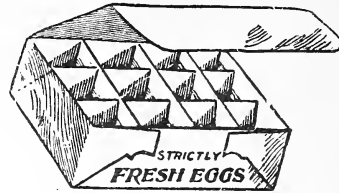
One filling of the oil tank will keep the apparatus burning day and night for two weeks, and it is but necessary to trim the wick occasionally, for the blaze is so small the wick crusting is a very slight matter. To accomplish the cleaning of the wick, the base is fitted with a slide, through which it may be attended without removing the reservoir, while the regulation for a high or low flame is accomplished from the outside of the burner by means of the wheel, as shown.

Made in one size only—5 gallons capacity.

Price—Complete with Burner Base .....\$6.00

Without Burner Base .....\$3.50

## Chip Paper Egg Boxes



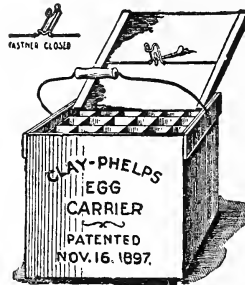
Just the thing for your family egg trade, they ship knocked down can easily be set up.

Extra heavy, 1 doz. size, 15c dozen.

15 oz., \$1.00 per 100; \$7.00 per 1000

20 oz., Manilla Board, \$1.25 per 100; \$8.50 per 1000

## Surety Egg Carrier



Is made with an adjustable cover and a patent combination lifter and fastener, which is far superior to other similar devices now on the market. There is no more durable or better carrier made. A necessity to all poultrymen. Prices are as follows:

2 doz. size .....\$1.35  
4 doz. size .....\$1.80  
6 doz. size .....\$2.00

8 doz. size, each .....\$2.25

## Long Folding Paper Egg Cartons

A very handy, oblong egg carton, Manilla Board, for delivering eggs. Made of good quality of cardboard; self-opening. This box can also be used for packing in ordinary egg crate, if desired.

1 doz., 25c; 100, \$1.50; 1000, \$11.00.

## Andrews' Efficiency Commercial Egg Carrier

Air cushion on all sides to prevent jars.

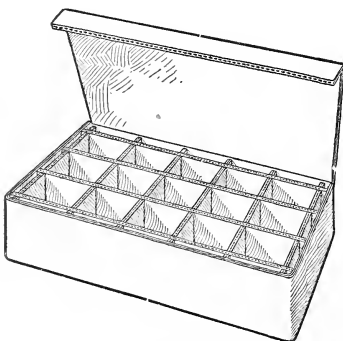
Eggs stand on end to prevent breakage.

Practically same as above, but made in sizes to suit shipping of commercial eggs. Printed gummed label with each carrier.

One Dozen ..... 8½-in. x 6¾-in. x 2⅞-in. \$1.75 per Doz.

Two Dozen ..... 12½-in. x 8¾-in. x 2⅞-in. 2.00 per Doz.

Three Dozen ..... 12½-in. x 12¾-in. x 2⅞-in. 2.50 per Doz.

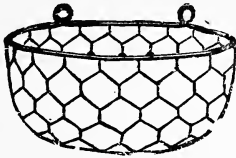


## Metallic Egg Tester

We manufacture what is probably the neatest and surest metallic egg tester on the market. It consists of a metal lamp chimney and tubular projection. Is made in two parts so the tubular projection can be removed and chimney used separately, 35c.

## Wire Chicken Nests

These nests are strongly made from heavy Japanned Steel Wire. They are intended to fasten to the wall with screw hooks, there is no room on them for lodgment of life, vermin of any kind, easy to keep clean and far superior to wooden boxes.



Price, each, 25c; per dozen, \$2.75.

## Pigeon Nests

Should be used by every pigeon fancier. Made of clay, with heavy bottom to prevent upsetting. Size about 9 inches in diameter.

Price, 20c each.

## Indurated Fibre

Fills a long felt want for all squab breeders. Wood gets filthy and vermin laden in a very short time.



Iron or earthenware is cold and bad for the birds.

35c each.

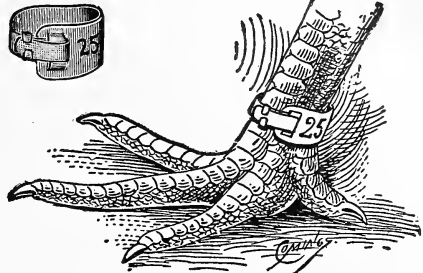
## FEED AND DRINKING CUPS

Galvanized. Especially Suitable for Exhibition Coops

No. 0, 4 $\frac{1}{8}$ x3 $\frac{1}{8}$ x2 $\frac{1}{4}$  inches, price, each, 25c. No. 1, 5 $\frac{1}{8}$ x3 $\frac{1}{2}$ x2 $\frac{1}{2}$  inches, price, each, \$0.30.

## Improved Champion Leg Bands Aluminum

Raised Numbers



This is a well known band, is one of the best on the market; is light and strong, being held by a double lock, is impossible to come off.

10c doz.; 25 for 20c; 50 for 30c; 100 for 50c.

## Perfecto Leg Bands

Celluloid.

Red, Green,  
Black, Pink,  
Yellow, Lt. Blue,  
Amber and Ruby



Mark each hen for her pen, so that you know where she belongs at a glance.

Mark your old hens to distinguish them from the pullets so that you can catch the right one to kill at the first grab.

Prices, Nos. 1, 2, 3, 4, 15c doz.; 25c for 25, 40c for 50, 75c for 100.

Pigeon and Chick, 10c doz., 20c for 25, 35c for 50, 50c for 100.

## Adjustable Clinch Poultry Bands

Made of Aluminum



Prices: 12 bands, 15c; 25 bands, 20c; 50 bands, 35c; 75 bands, 50c; 100 bands, 65c.





## Plant Life Tobacco Dust

Most powerful insect and parasite Destroyer known. Guaranteed to kill insects, lice on flowers, plants, fruit trees, vegetables, human body, cats, fowls, earth worms, ants, also any house bugs or vermin. 20c per pound.

## RAT CORN



Price 25c, 50c, \$1.00



## Disinfectant LICE KILLER

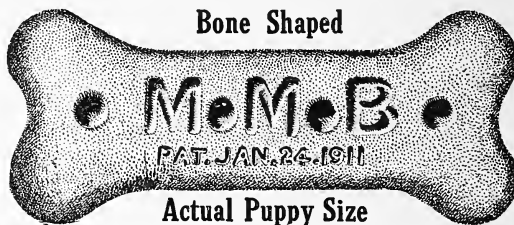
### GERMICIDE

ZENOLEUM DISINFECTANT  
ANIMAL DIP.

Eight ounce can, 30c.      Quart can, 60c  
Gallon can, \$1.75.      Five gallon can, \$7.50.



## DOG CAKES



Maltoid Milk Bone is a complete food in itself and is the only Perfect Food for all breeds, the quality of which is recognized by all Dogs through their keen sense of smell to the degree that they will leave any other Dog biscuits placed side by side. We stake our reputation with you on this.

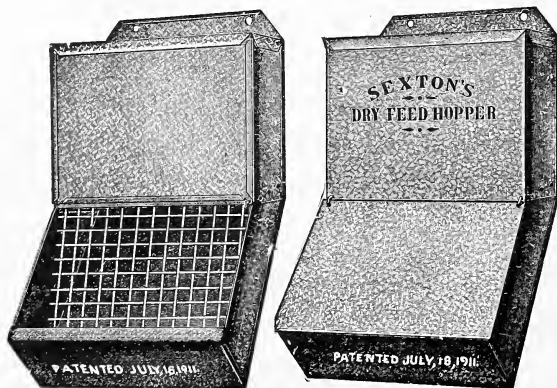
The Bone Shape is tremendously attractive to the dogs. They will handle it exactly as a Bone, holding it between their paws, and they will gnaw at it, thus benefiting the teeth and gums, increasing the flow of saliva and aiding digestion. For these reasons it should be fed dry and unbroken.

Price, Dog Biscuits, 18c lb.      Discount in large lots.      Puppy Biscuits, 18c. lb.

## SPRATT'S DOG AND PUPPY CAKES

Dog Cakes, 14c lb., 5 lb., 13c.

Puppy Cakes, 15c lb., 5 lb. 14c.



OPEN

CLOSED

## SEXTON'S DRY FEED HOPPER

(Patent Pending).

Pronounced to be the best Hopper offered. Simple in construction, easily operated and absolutely "Rat and Mouse Proof."

No. 1, Poultry Size ..... \$1.29 each  
No. 2, Chicken Size ..... \$1.98 each  
No. 5, Extra Large ..... \$3.98 each

Rubber Bucket Pumps and Extra Fittings

Easy to Fill      No Waste  
Rat Proof      Dust Proof

# AQUAROID ROOFING

Quality Certified

Quality Guaranteed

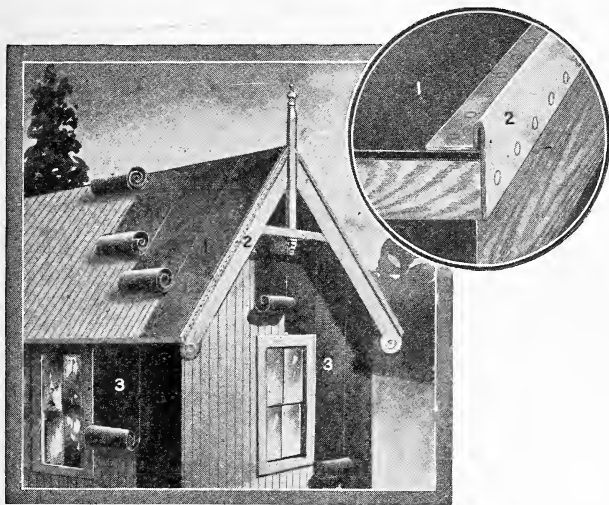
**GUARANTEED**

1 Ply 5 Years

2 Ply 10 Years

3 Ply 15 Years

We are authorized by the Manufacturers to furnish the manufacturer's written guarantee for the period above mentioned.



This roofing is made of the best long fibre wool felt, saturated and coated with pure refined asphaltum and is not affected by acid gases or climatic changes. It is suitable for flat or steep roofs. Put up in rolls containing 100 square feet, sufficient to cover one square allowing 2 inches for lap. Nails, tin caps, cement and directions for laying on, packed in each roll. It is made in these weights:

1 Ply, 35 lbs. ....	\$2.50 per roll
2 Ply, 45 lbs. ....	3.00 per roll
3 Ply, 50 lbs. ....	3.50 per roll

## COMPETITION ROOFING PAPER

This paper is manufactured by a reliable manufacturer, is watertight, durable, strong, impervious to air and is not affected by heat or cold.

1 Ply, \$1.60 per roll.

## Mann's Pat. Bone Cutters

Are one of the best Bone Cutters ever sold to the public and they are one of the most successful Hand and Power Machines on the market today for cutting green bones.

No. 5 B \$12.50, No. 5 BM with legs, \$16.00,  
No. 7, with legs, \$18.50.

## No. 32 Hand Mills

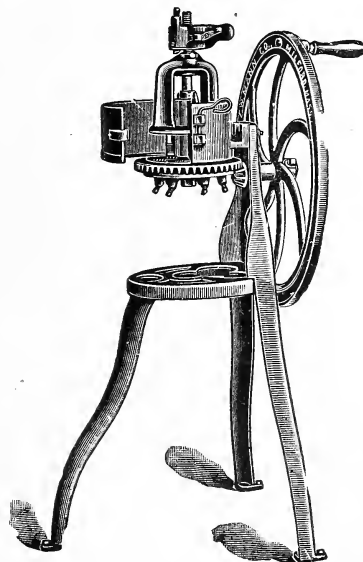


In these mills are embodied all the good features of other hand grinding mills, to which have been added universal burrs or grinding plates that are adjustable for grinding coarse or fine. This machine grinds oats, barley, rye, corn, peas, dry bone, shells, etc., for feeding to poultry. It is a well designed machine, is strong and well made throughout and of excellent finish; has a 16 inch flywheel and is light running.

The capacity of this mill is not equalled by any other of the same size.

Shipping weight 40 pounds. Capacity 1 to 2 bushels per hour.  
Price, \$5.98.

## MANN'S PAT BONE CUTTER





# INDEX

	Page
Apple and Grape Grinders	53
Artichoke	5
Asparagus	5
Asparagus Buncher	53
Barrows	54, 55
Barley	37
Beans	6, 7
Beets	7, 8
Borage	8
Broccoli	8
Brussels Sprouts	9
Brooders	65
Bone Cutters	75
Buckwheat	37
Butter Machine	61
Cabbage	9
Carrots	10
Cauliflower	10, 11
Celery	11
Celeriac	11
Chervil	11
Chicory	12, 15
Cress	12
Corn Salad	12
Corn	12, 13
Cucumbers	14
Caponizing Sets	69
Clover	36
Chick Coop and Feeder	66
Chick Marker	69
Cider Mills	53
Cultivators	46, 47, 48, 49, 50, 52
Churns	60, 61
Dandelion	15
Dairy & Milkman's Supplies	59, 60
Dog Cakes	74
Dog Cakes	54
Endive	15
Egg Plant	15
Egg Tester	73
Folding	71
Egg Carriers	72
Egg Cases	72
Egg Boxes	72
Feeders, Poultry	70, 71
Feed and Drinking Cups	71, 72
Fence	61, 62
Flower Bed Guard	62
Flower Stands	66
Flower Pots	66
Forks	51
Manure	51
Spading	51
Hay	51
Fountains	71, 72
Keystone	71
Norwich Automatic	72
Sanitary	71
Brooder	71
Wall	71
Sexton	71
Earthenware	71
Fertilizers	33, 34, 35, 39
Muzzy Bros. Special	39
Ground Bone	39
Nitrate of Soda	40
Acid Phosphate	40
Garden Guide	4

	Page
Garden Barrow	54, 55
Grains	37
Garden Tools	43, 50, 51
Gates	62
Grit and Shell	64
Gape Worm Extractor	69
Grindstone	54
Grass Seeds	32, 33, 36, 37
Garden Syringe	43
Herbs	31
House Paint	55
Hygrometer Incubator	69
Hovers	65
Hoppers Sexton	74
Hand Mills	75
Harrows	52, 53
Hoes	46, 47, 48, 49
Incubators	65
Insecticides for Plant Diseases	55, 56
Fish Oil Soap	55
White Hellebore	55
Slug Shot	56
Paris Green	56
Bordeaux Mixture	56
Kale	16
Kohlrabi	16
Leek	17
Lettuce	17, 18
Leg Bands	73
Lawn Mowers	41, 42
Rollers	55
Trimmer	42
Grass	32, 33
Dressing	33
Lamps, Incubator	69
Lightning Butter Feeder	61
Limestone	40
Melon, Musk	19
Water	19, 20
Mushrooms	20
Mustard	20
Milk Cops	60
Bottle Carriers	59
Bottle Cleanser	59
Bottle Boxes	60
Cans	60
Pails	59
Bottles	59
Can Measuring Rods	61
Delivery Cases	60
Mail Boxes	54
Markers	46
Darnell	46
Eddy	46
Meadow and Pasture Mixture	36
Nasturtium	21
Nests	73
Chicken	73
Pigeon	73
Nest Eggs	68
Netting Wire	61
Onion	21
Onion Sets	21
Okra	22
Oats	37
Oat Sprouter	70
Ornamental Walk Gate	62

	Page
Parsnips	22
Parsley	22
Peas	2, 22, 23
Pepper	24
Philadelphia Mower	42
Potatoes	3, 24, 25
Pumpkin	25
Poultry Punch	69
Plows	44, 45
Pruning Shears	43
Pruning Saws	43
Poultry Killing Knife	69
Potato Digger	45
Poultry Remedies	67
Pratts Regulator	67
Disinfectant and Lice Killer	67
Pratts Roup Remedy	67
Lice Killer	67
Diarroea Remedy	67
Condition Powders	67
Bronchitis Remedy	67
Gape Remedy	67
Sore Head Remedy	67
Poultry Food	63, 64, 68
Chick Starter	63
Chick Feed	63
Buttermilk Startingfeed	68
Developing Food	63
Scratch Food	63
Beef Scrap	63
Laying Food	64
Pigeon Feed	64
Charcoal	64
Ground Bone	64
Cut Alfalfa Clover	64
Cut Red Clover	64
Crushed Oyster Shells	64
Crystal Grit	64
The Collins Sprouter	64
Foust's Health Grit	64
Rhubarb	25
Roofing	75
Roofing Paper	75
Radish	26
Rakes	43
Rat Cure	74
Spinach	26, 27
Salsify	27
Squash	27, 28
Swiss Chard	28
Seed Drills	47
Seeds, Miscellaneous	4, 37
Sorrel	26
Sprayers	57
Powder	57
Liquid	57
Continuous	57
Compressed Air	57
Auto Spray	57
Whitewash	57, 68
Sweet Pot and Medical Herb	30, 31
Seeds	30, 31
Scythos	43
Tobacco	28
Tomato	28, 29
Turnip	29, 30
Tree Guards	53
Thermometer, Incubator	69
Wheat	37
Weeders	53
Zenoleum	74

---

—MEMORANDUM—

**—MEMORANDUM—**

---

**—MEMORANDUM—**

**—MEMORANDUM—**

# Foreign Names of Vegetables and Herbs

ENGLISH	GERMAN	FRENCH	ITALIAN	HOLLAND
Anise .....	Anis, Gvener .....	Anis .....	Anaso, Anacio .....	Anijs .....
Artichoke .....	Artischocke .....	Artichaut .....	Articiocca .....	Artisjok .....
Asparagus .....	Spargel .....	Asperge .....	Sparagio .....	Aspersie .....
Balm .....	Citronen Melisse .....	Melisse citronelle .....	Melissa .....	Citroen Melisse .....
Beail .....	Basilikum .....	Basilic grand .....	Basilico .....	Boonen .....
Beans .....	Bohnen .....	Haricots .....	Pagiuoli .....	Bieten .....
Beet .....	Ruebe .....	Betterave .....	Barbabetiola .....	Bouragine .....
Borage .....	Boretisch .....	Bourache .....	Boragine .....	Cavol brocolo .....
Broccoli .....	Spargelkohl .....	Chou Brocoli .....	Cavolo agermaglia .....	Spruitkool .....
Brussels Sprouts .....	Roskukohl .....	Chou de Bruxelles .....	Cavolo cappuccio .....	Slutkool .....
Cabbage .....	Kopfkohl, Kra .....	Chou pomme .....	Cavolo di Milano .....	Savooikool .....
Cabbage Savoy .....	Wirsing .....	Chou de Milan .....	Carvi .....	Karvij .....
Caraway .....	Feld Kuemmel .....	Chou des press .....	Carato .....	Wortelen .....
Carrot .....	Carroten, Moehren .....	Carotte .....	Covolo flore .....	Bloemkool .....
Cauliflower .....	Blummenkohl .....	Chou-fleur .....	Sedano .....	Seiderij .....
Celery .....	Sellerie .....	Celeri .....	Se ana rapa .....	Knoise erji .....
Celeriac .....	Knoll-Sellerie .....	Celeri-rave .....	Cerfoglio .....	Kervil .....
Chervil .....	Kerbet .....	Cerfeuil .....	Cicoria Wselvatica .....	Korlander .....
Chicory .....	Chiceorien Wurzel .....	Chicoree sauvage .....	Coriandorio .....	Velesia .....
Coriander .....	Coriander .....	Coriandre .....	Valeriana .....	Tunkers .....
Corn Salad .....	Feldsalat .....	Mache .....	Agretto .....	Waterkers .....
Corn .....	Mais .....	Mais .....	Nasturzio .....	Komkomer .....
Cress .....	Garen Kresse .....	Cresson alenois .....	Cotriolo .....	Dente di leone .....
Cress, Water .....	Brunnen Kresse .....	Cressoudefontaine .....	Aheto .....	Pentonciano .....
Cucumber .....	Gurken .....	Concombre .....	Indivia .....	Andijve .....
Dandelion .....	Loewenzohle .....	Pissenlit .....	Finochio .....	Nedkel .....
Dill .....	Dille .....	Aneth .....	Agho .....	Knoflook .....
Egg Plant .....	Eier Ffiano .....	Aubergine .....	Raiano .....	Peperwortel .....
Endive .....	Endiven .....	Cicorce-Endive .....	Issopo .....	Hijsoop .....
Fennel .....	Fenchel .....	Fenouli .....	Cavolo verde .....	Boerkool .....
Garlick .....	Knoblauch .....	Ali .....	Cavolo rapa .....	Koolrabi .....
Horse Radish .....	Meer Rettig .....	Panifort sauvage .....	Lavada .....	Prei .....
Eyssop .....	Isop .....	Hyssope .....	Poireau .....	Kropsia .....
Kale .....	Blaetterkohl .....	Chou-vert .....	Lattuga .....	Marjolijn .....
Kohlrabi .....	Knolkohl .....	Chou-rave .....	Maggiorana .....	Meleon .....
Lavender .....	Lavendei .....	Lavende .....	Popone .....	Cocomera .....
Leek .....	Porre Lauch .....	Poireau .....	Fungo pratajole .....	Kampernoelle .....
Lettuce .....	Lattich Kopfsalat .....	Laitue .....	Nasturzio .....	Capucine-Kers .....
Marjoram .....	Marjoram .....	Marjolaine .....	Ibisco .....	Ci Uien .....
Melon .....	Melone .....	Melon .....	Cipollo .....	Peterselit .....
Melon, Water .....	Wasser-Melone .....	Melon d'eau .....	Prezzemolo .....	Pinksternadel .....
Mushroom .....	Schwamm .....	Champignon .....	Pastinaca .....	Erwten .....
Nasturtium .....	Kupuciner Kresse .....	Capucine .....	Pisello .....	Spaansch Peper .....
Okra .....	Ocher .....	Gombeud .....	Peperone .....	Radjis .....
Onion .....	Zwiebel .....	Cgnon .....	Zucca .....	Rabarber .....
Parsley .....	Zatersille .....	l'ersil .....	Ravanello .....	Rosemarijn .....
Parsnip .....	Pastinake .....	Panais .....	Rabarbaro .....	Mijnault .....
Peas .....	Erbsen .....	Pois .....	Rosmorino .....	Salie .....
Pepper .....	Pfeffer .....	Piment .....	Rafferano .....	Salsify .....
Pumpkin .....	Melonen-Kuerbiss .....	Potiron .....	Salva .....	Sorrel .....
Radish .....	Radies .....	Radis .....	Barbarli becca .....	Summer Savory .....
Rhubarb .....	Rhabarber .....	Rhubarbe .....	Acetosa .....	Spinach .....
Rosemary .....	Rosmarin .....	Romarin .....	Santoreggia .....	Squash .....
Rue .....	Raute .....	Rue .....	Spinnaccio .....	Tansy .....
Safron .....	Safran .....	Safran .....	Zucca .....	Thyme .....
Sage .....	Saldel .....	Sauge .....	Atansia .....	Tomato .....
Salsify .....	Haferwurz .....	Salrifis .....	Timo .....	Turnip .....
Sorrel .....	Sauerampfer .....	Oscille .....	Pomo d'oro .....	Wormwood .....
Summer Savory .....	Bohenkraut .....	Sarriette annulle .....	Navone .....	
Spinach .....	Spinat .....	Epinarde .....	Assenzio .....	
Squash .....	Kuerbijs .....	Courget .....		
Tansy .....	Gemeiner-rainfarn .....	Tanaisie .....		
Thyme .....	Thymian .....	Thym .....		
Tomato .....	Liebessapfel .....	Pomme d'Amour .....		
Turnip .....	Weisse-Reube .....	Nevet .....		
Wormwood .....	Wermuth .....	Absinthe .....		

## PLANTING CALENDAR

**FEBRUARY**—Sow in Hot Bed. Early Beans, Cabbage, Cauliflower and Celery, Carrot, Brocoli, Cucumber, Lettuce, Parsley, Radish, Tomato.

**MARCH**—Sow in Hot Bed. Early Beets, Beans, Cabbage and Carrots, Brocoli, Brussels Sprouts, Cauliflower, Celery, Cucumber, Egg Plant, Kohlrabi, Lettuce, Melon, Parsley, Peas, Pepper, Radish, Tomato. Plant in Open Ground. Beet, Early Cabbage, Carrot, Cress, Lettuce, Onion, Peas, Radish, Round Spinach, Early Turnip, Potatoes, Onion Sets, English Beans.

**APRIL**—Sow in Hot Bed. Sweet Corn, Cucumber, Egg Plant, Melon, Pepper, Squash, Tomato. Plant in Open Ground. Asparagus, Beets, Brocoli, Brussels Sprouts, Early Cabbage, Carrot, Cauliflower, Celery, Cress, Kale, Kohlrabi, Lettuce, Melon, Onion, Parsley, Peas, Radish, Round Spinach, Turnip, Sage, Potatoes, Top Onions.

**MAY**—Plant in Open Ground. Asparagus, Beans, Beets, Brocoli, Brussels Sprouts, Late Cabbage, Carrot, Cauliflower, Celery, Sweet Corn, Cress, Cucumber, Kale, Lettuce, Melon, Okra, Onion, Parsley, Parsnip, Peas, Potatoes, Radish, Rhubarb, Kohlrabi, Salsify, Round Spinach, Squash, Tomato, Early Turnip, Herbs.

**JUNE**—Plant in Open Ground. Lima Beans, Beets, Brocoli, Brussels Sprouts, Cabbage, Carrot, Sweet Corn, Cress, Cucumber, Kale, Kohlrabi, Lettuce, Nasturtium, Okra, Peas, Potatoes, Parsnep, Radish, Salsify, Spinach, Squash, Ruta, Baga, Melon, Herbs.

**JULY**—Plant in Open Ground. Beans, Beets, Cauliflower, Celery, Carrot, Sweet Corn, Cress, Cucumber, Late Cabbage, Kale, Kohlrabi, Nasturtium, Okra, Peas, Parsnip, Winter Radish, Spinach, Ruta Baga.

**AUGUST**—Plant in Open Ground. Bush Beans, Late Celery, Late Cabbage, Cucumber, Lettuce, Peas, Radish, Spinach, Turnip.

**SEPTEMBER**—Plant in Open Ground. Cabbage, Cauliflower and Lettuce for Wintering in cold frames; Asparagus, Celery, Kale, Mustard, Winter Radish, Spinach, Turnip.

